

2021

PRODUCT LINEUP BROCHURE

The largest developer and manufacturer of surveillance technology in South Korea

Network Recorders & Network Cameras
HD Analog Recorders & HD Analog Cameras
Software Solutions
Network Accessories



IDIS AI Box for Covid-19 Solutions- DV-2232



One Solution. One Company.

It's Not the Same. It's IDIS.

The Largest Developer and Manufacturer of Surveillance Technology in South Korea

TOTAL SURVEILLANCE SOLUTION PROVIDER

For customers and partners, this means they can build a complete surveillance solution using products that seamlessly integrate from just one vendor.



ABOUT IDIS

IDIS is a global security company that designs, develops, and manufactures surveillance solutions for a wide range of commercial and public sector markets.

As the largest video surveillance manufacturer in South Korea, with headquarters and manufacturing facilities just outside of Seoul, IDIS operates across 50 countries and 100+ strategic partners. IDIS is a world-leading digital surveillance solution provider with more than two million recorders installed worldwide and over 16.5 million cameras utilizing IDIS technology.

The IDIS total surveillance solution meets the needs of an increasingly demanding security landscape. IDIS provides the benefit of an end-to-end, highest-quality total surveillance solution and delivers innovation that is user-friendly, flexible, and scalable, able to meet every surveillance need—all with unrivalled performance, quality, and low total cost of ownership.

DirectIP®



THE IDIS STRENGTHS



One Solution. One Company.

IDIS designs, develops, manufactures, and supports its products and software all under one roof. For customers and partners, this means they can build a complete surveillance solution using products that seamlessly integrate from just one vendor. This simplifies the buying chain and provides local sales and technical support from a single vendor. Whether a large corporate enterprise, a retail chain, or single site, IDIS has a surveillance solution that meets the needs of an extensive range of businesses. With a broad lineup of one to eight megapixel IP cameras, four to 64 channel NVRs, monitors, network accessories, a choice of VMS, and our DirectCX lineup for customers looking to leverage existing coax cabling, IDIS has a solution that fits.



Innovation and R&D

IDIS has been a pioneer in digital video recording since 1997 and was established due to a passion for technology and an unyielding pursuit of innovation. With 10% of turnover reinvested in research and development (R&D) annually, IDIS is constantly developing new technologies and bringing new innovations to market, all which help our customers strengthen the safety and security of their people, facilities, and assets. At the same time, we have a commitment to delivering the world's ultimate surveillance experience through technology that is high-performance and reliable, yet simple to install and operate to ensure our customers are more efficient and more productive.



Low Total Cost of Ownership

Through our commitment to high quality, low power consumption, and reliable products that are simple to install, use, and maintain, we reduce the burden of implementation and training time while ensuring lower maintenance and energy costs, an extended product lifecycle, and a low total cost of ownership. Our flagship offering, DirectIP, comes with cost-free video management software (VMS) and apps—meaning absolutely zero licensing costs. IDIS Solution Suite, our enterprise-level VMS, is both scalable and modular, allowing our customers to only pay once for what they need without any ongoing service or maintenance fees.

Partnering for Success



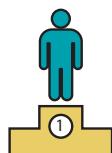
Many of the relationships we have with our customers and partners have been in place for two decades, demonstrating our commitment to fostering long lasting and successful partnerships. We only succeed if our customers and partners succeed and we see them as full members of our team. In their own way, each is at the heart of both our business strategy and success. The IDIS “one team” philosophy encompasses our network’s many cultures, communities, and views and proves that we work best when we work together. Through the sharing of values and ideas, we are enriched by those around us. In turn, we empower each other to grow and succeed.

Reliability



Reliability goes beyond the high quality products and solutions we proudly deliver each day. For IDIS, reliability means doing what we say we will do, when we say we will do it. From strictly adhering to global and local regulations to our certifications such as ISO14001, ISO900, ROHS, and Six Sigma, from our regular delivery of world-class technology to support at the local level, IDIS delivers reliable products and services that more than meet our customers’ expectations—they exceed them.

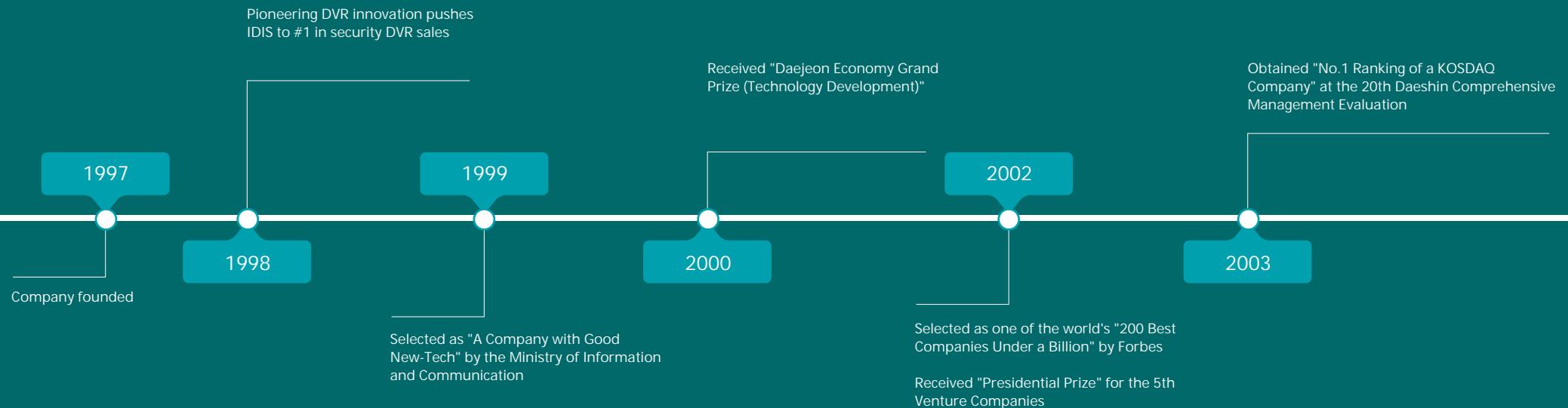
Integrity

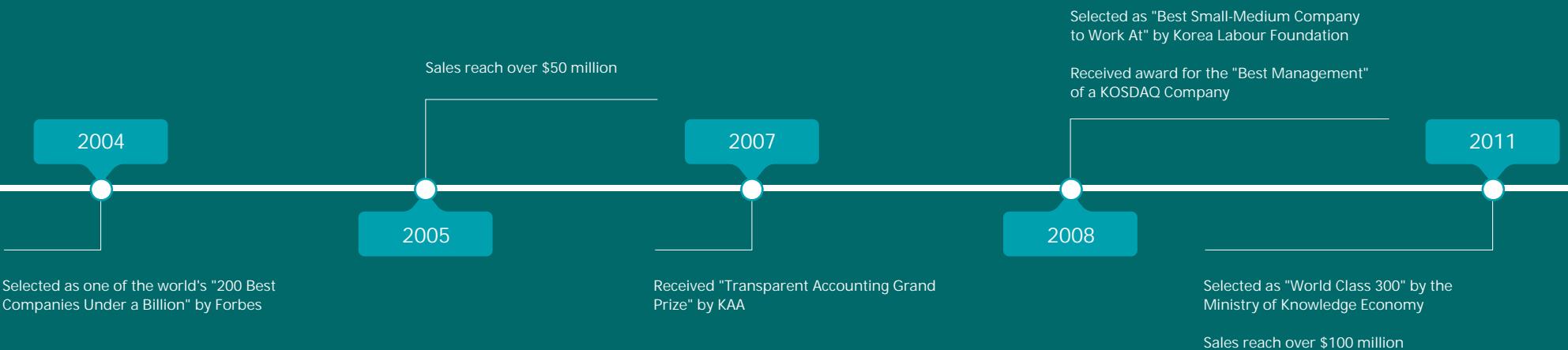


Our integrity means you can trust us and the technology we provide. We ensure we comply with the legal and regulatory requirements at both global and local levels and seek to be transparent at all times in the way we do business. We believe in open and candid communications with our customers and partners that build trust and ensure success. Our products are manufactured in house with consistency of quality and materials, so they can be trusted to deliver as promised. We continually innovate new technologies to ensure and preserve the integrity of the surveillance they provide.



IDIS MILESTONES



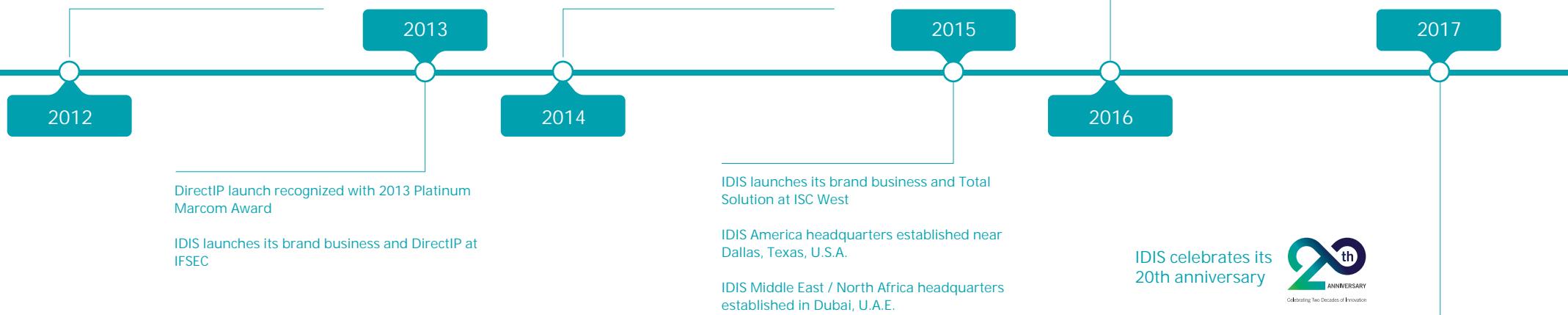


IDIS MILESTONES

Selected as a "Good Company to Work For" by the Korea Economic Daily

IDIS Europe headquarters established near London, England, U.K.

Sales reach over \$150 million



Security Sales & Integration Security Solutions Award Official Runner-up

Security Products New Product of the Year Award for "Convergence & Integrated Software Solutions"

Awarded top honors for "Product and Technology" by the Korean Ministry of Trade, Industry and Energy

Awarded honors for "World Class Product of Korea" by the Korean Ministry of Trade, Industry and Energy

Named Top 10 global manufacturer for surveillance recorders by IHS

Double finalist at IFSEC's Security & Fire Excellence Awards



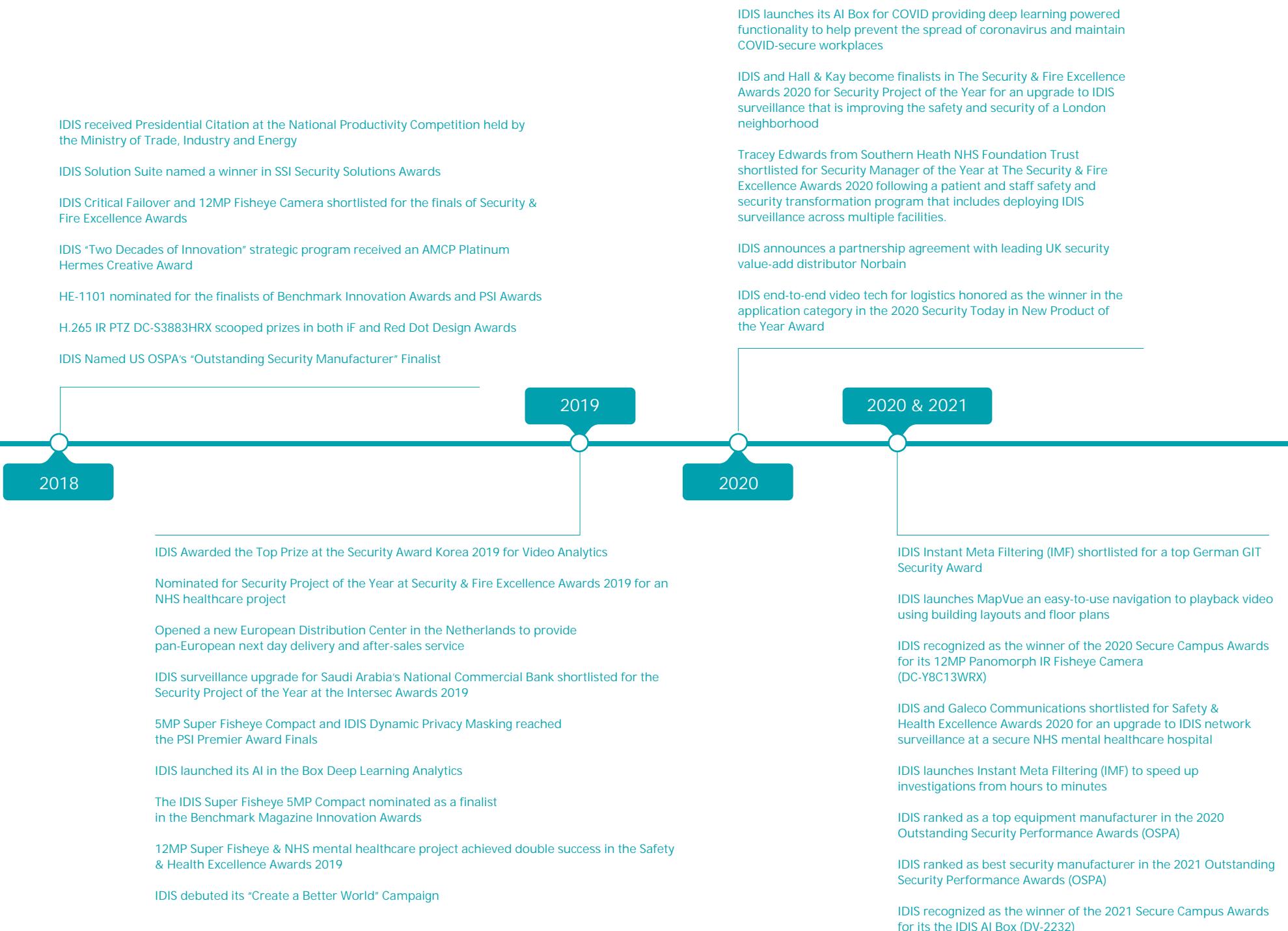
IDIS celebrates its
20th anniversary

IDIS Smart UX Controls ranked as a finalist in the Benchmark Magazine Innovation Awards

DR-8364D, IDIS Smart UX Controls v2.0 ranked as a finalist in the PSI Premier Awards

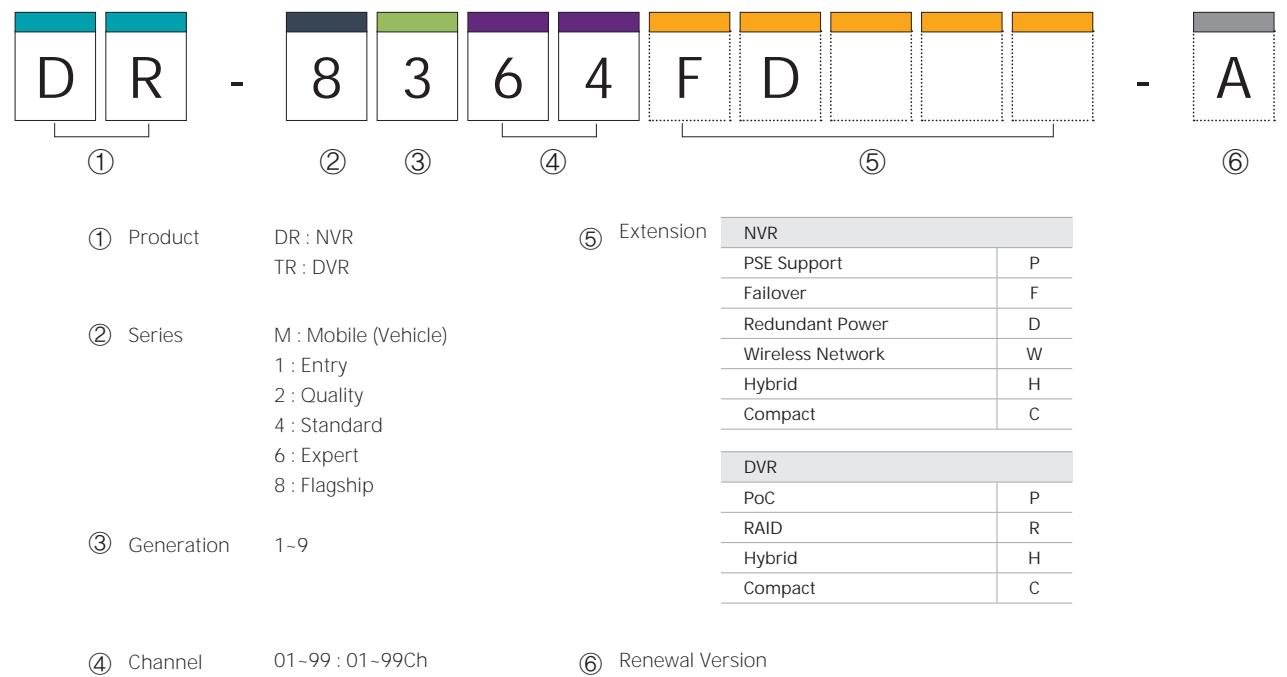
Named 2017 U.S. OSPAs "Outstanding Security Manufacturer" Finalist

IDIS awarded the Prime Minister Citation 2017 by the Korea International Trade Association and the Korean Ministry of Trade, Industry, and Energy



IDIS NAMING STRUCTURE

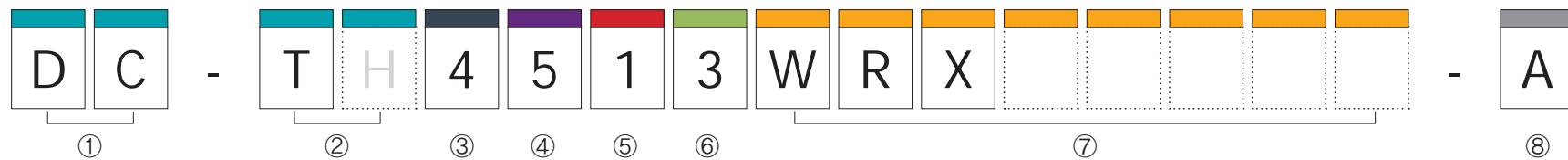
Network Video Recorder



Pre-Installed VMS



Network Cameras



① Product

DC : IP Camera
TC : Analog Camera

⑤ Lens

0 : No Lens
1 : Fixed Lens
2 : Vari-focal Lens
3 : Motorized focus Lens 2.8mm ~ 12mm
4 : Motorized focus Lens 9mm ~ 22mm
5 : Motorized focus Lens 20mm ~ 50mm
6 : Zoom Lens x10-x19
7 : Zoom Lens x20-x29
8 : Zoom Lens x30-x39

⑧ Renewal Version

② Camera Type

D : Dome
T : Bullet
B : Box
S : PTZ
Y : Fisheye
V : Covert
Z : Zoom
M : Mobile
G : Parking
TH : Thermal
SP : Specialty

⑥ Version

0 : Reserved
1~9

⑦ Version

Extension

| [IP-CAM] | |
|-------------------|---|
| Stainless | S |
| Heater | H |
| Weather Proof | W |
| Vandal Resistance | V |
| Flush | F |
| Compact | C |
| IR LED | R |
| True WDR | X |
| Wireless Network | N |
| Modular jack type | J |
| LightMaster | L |
| AI Embedded | A |

| [HD-TVI CAM] | |
|-------------------|---|
| Stainless | S |
| Heater | H |
| Weather Proof | W |
| Vandal Resistance | V |
| Flush | F |
| Compact | C |
| IR LED | R |
| True WDR | X |
| PoC | P |
| LightMaster | L |

③ Series

1~3 : Legacy model
4 : Quality model
6 : Expert model
8 : Flagship model

| [IP-CAM > Specialty] | | |
|----------------------|--------|---|
| Explosion Proof | EX | |
| Camera Type | Bullet | T |
| | PTZ | S |

④ Resolution

[IP-CAM, A-CAM]
0 : 1MP 미만
1~9 : 1MP ~ 9MP
A~F : 10MP ~ 15MP
[IP-CAM > Thermal]
0 : CIF 미만
1 : CIF
2 : VGA
3 : 1MP

DirectIP®

IP WITHOUT THE PC

DirectIP's "IP without the PC" concept permits simple installation and configuration, allowing instant streaming once connected. Once connected to a network keyboard and mouse, DirectIP NVRs can setup and handle DirectIP cameras without a PC.

Frustrated with
your surveillance?



THE IDIS DirectIP DIFFERENCE

Managing Complexity Through Innovation

DirectIP is a one stop shop and affordable solution, delivering true plug-and-play simplicity to a range of cameras, monitors, and network video recorders (NVRs), with a full-featured, completely cost-free video management software (VMS). Remarkably simple to install and maintain, DirectIP goes beyond mere “plug-and-play” capability, delivering an auto-configured, pre-engineered solution that is affordable and high performing.

A Pre-Engineered Solution that Removes Guesswork without Restricting Choice

With IDIS DirectIP, say goodbye to the calculations and guess work previously required to determine the necessary specs for a PC server. Questions such as “What CPU do I need?” “What VGA will be required?” “How much RAM will the system need?” or “Is there enough network bandwidth?” no longer need to be asked. The only thing users have to determine is how much storage will be required and the DirectIP solution handles the rest.

Unprecedented Scalability for Any Surveillance Need

DirectIP systems are incredibly easy to scale up as required. The free IDIS Center VMS supports up to 1,024 DirectIP NVRs, which allows for the management of 64,000+ IP cameras, while IDIS Solution Suite supports an unlimited number of IP cameras. Multiple NVRs can be united as one system to create a mini matrix.

Reduced Maintenance Requirements Mean Lowered Costs

The IDIS end-to-end system eliminates worry over future backwards compatibility, which is guaranteed by IDIS, while the IDIS Center VMS is completely free of charge, eschewing licensing or annual upgrade fees.



NETWORK VIDEO RECORDERS

Make Your Surveillance Future Proof

Flexible, scalable, forward and backward compatible technology

High performance and reliable solutions for every need

Simple legacy migration and off-the-shelf integration



DR-8000 SERIES

| | DR-8364(F) | DR-8364(F)D |
|--------------------------|--|--|
| Model Name | | |
| VIDEO | | |
| Video Inputs | 64 IP Channels | |
| Max. Incoming Throughput | 900Mbps | |
| Supported Camera | DirectIP, AXIS, PANASONIC, ONVIF | |
| Video Outputs | 1 HDMI, 1 VGA | |
| Display Resolution | HDMI : 3840 x 2160, 1920 x 1200, 1920 x 1080, 1680 x 1050, 1600 x 1200 VGA : 1920 x 1200, 1920 x 1080, 1680 x 1050, 1600 x 1200 | |
| Display Speed | Up to 1920ips | |
| RECORDING | | |
| Max. Throughput | 400Mbps, 1920ips@UHD | |
| Recording Resolution | Up to 12MP (Depending on IP Camera) | |
| Compression | H.265, H.264 | |
| Intelligent Codec | Supported | |
| Recording Mode | Time-lapse, Event, Pre-event, Panic | |
| PLAYBACK | | |
| Performance | 16ch Full HD Synchronous Playback 4ch 4K Playback | |
| Search Mode | Time-lapse, Event Log, Thumbnail, Motion, Text-in | |
| STORAGE | | |
| HDD | SATA x 8, eSATA x 4, RAID 1, 5, 10 Supported | |
| Total Capacity | 240TB=10TB x (8(Internal) + 4 x 4 (External)) | |
| NETWORK | | |
| Client Connection | Gigabit Ethernet (Client) x 1 | |
| Video In Connection | Gigabit Ethernet (Video In) x 3, SFP (Video In) x 2 | |
| Transmission Speed | 400Mbps / 500Mbps (BRP Mode) | |
| Camera Power | - | |
| Client Viewer | IDIS Center, IDIS Mobile, IDIS Web, IDIS Solution Suite | |
| INTERFACE | | |
| Audio In / Out | Local (NVR) : 1 RCA / 1 RCA + 1 HDMI IP Camera : 64 / 64 (Depending on IP Camera) | |
| Alarm In / Out | Local (NVR) : 4 / 1 IP Camera : 64 / 64 (Depending on IP Camera) | |
| Alarm Reset In | 1 | |
| Serial Interface | RS232 (Terminal Block), RS485 (Terminal Block) | |
| USB | USB 2.0 x 2, USB 3.0 x 1 | |
| GENERAL | | |
| Operating System | Embedded Linux | |
| Dimensions (W x H x D) | 482.6mm x 88mm x 523.3mm (19" x 3.5" x 20.6") | |
| Unit Weight | 12.3kg (21.1lb) (with 2 HDDs) | 10.9kg (24.03lb) (with 2 HDDs) |
| Power Input | AC 100-240 V, 50/60Hz, 2.0 - 1.0A | AC 100-240 V, 50/60Hz, 2.0 - 1.0A (REDUNDANT SMPS) |
| Power Consumption | 100-240V~, 50/60Hz, 2.0-1.0A, 120W | |
| Approvals | FCC, UL, CE, CB, KC, PSE | |

* Establish NVR Failover system with standby DR-8364F(D).

DR-8000 SERIES

| | DR-8416 | DR-8432 | DR-8432D |
|--------------------------|---|---|---|
| Model Name |  4K UHD |  4K UHD |  4K UHD |
| VIDEO | | | |
| Video Inputs | 16 IP Channels | 32 IP Channels | 32 IP Channels |
| Max. Incoming Throughput | 320Mbps | 370Mbps | 370Mbps |
| Supported Camera | DirectIP, AXIS, PANASONIC, ONVIF | | |
| Video Outputs | 1 HDMI, 1 VGA | | |
| Display Resolution | HDMI : 3840 x 2160, 1920 x 1200 , 1920 x 1080, 1680 x 1050, 1600 x 1200 VGA : 1920 x 1200 , 1920 x 1080, 1680 x 1050, 1600 x 1200 | | |
| Display Speed | Up to 480ips | Up to 960ips | Up to 960ips |
| RECORDING | | | |
| Max. Throughput | 180Mbps, 480ips @ UHD | 230Mbps, 960ips @ UHD | 230Mbps, 960ips @ UHD |
| Recording Resolution | | Up to 12MP (Depending on IP Camera) | |
| Compression | | H.265, H.264 | |
| Intelligent Codec | | Supported | |
| Recording Mode | | Time-lapse, Event, Pre-event, Panic | |
| PLAYBACK | | | |
| Performance | 16ch Full HD Synchronous Playback, 4ch 4K Playback | | |
| Search Mode | Time-lapse, Event Log, Thumbnail, Motion, Text-in | | |
| STORAGE | | | |
| HDD | SATA x8, eSATA x4, RAID 1, 5, 6, 10 supported | | |
| Total Capacity | 144TB=10TB x 8(Internal) + 4TB x 4 x 4(External) | | |
| NETWORK | | | |
| Client Connection | | Gigabit Ethernet (Client) x 1 | |
| Video In Connection | | Gigabit Ethernet (Video In) x 3, SFP (Video In) x 2 | |
| Transmission Speed | | 50Mbps / 100Mbps (BRP Mode) | |
| Camera Power | | - | |
| Client Viewer | | IDIS Center, IDIS Mobile, IDIS Web, IDIS Solution Suite | |
| INTERFACE | | | |
| Audio In / Out | Local (NVR) : 1 RCA / 1RCA + 1HDMI IP Camera : 16 / 16 (Depending on IP Camera) | Local (NVR) : 1 RCA / 1RCA + 1HDMI IP Camera : 32 / 32 (Depending on IP Camera) | Local (NVR) : 1 RCA / 1RCA + 1HDMI IP Camera : 32 / 32 (Depending on IP Camera) |
| Alarm In / Out | Local (NVR) : 16 / 4 IP Camera : 16 / 16 (Depending on IP Camera) | Local (NVR) : 16 / 4 IP Camera : 32 / 32 (Depending on IP Camera) | Local (NVR) : 16 / 4 IP Camera : 32 / 32 (Depending on IP Camera) |
| Alarm Reset In | | 1 | |
| Serial Interface | | RS232 (Terminal Block), RS485 (Terminal Block) | |
| USB | | USB 2.0 x 2, USB 3.0 x 1 | |
| GENERAL | | | |
| Operating System | | Embedded Linux | |
| Dimensions (W x H x D) | | 482.6mm x 88mm x 523.3mm (19" x 3.5" x 20.6") | |
| Unit Weight | | 10.9kg (24.03lb) (with 2 HDDs) | |
| Power Input | AC 100-240 V, 50/60Hz, 6.0 - 3.0A | AC 100-240 V, 50/60Hz, 6.0 - 3.0A | AC 100-240 V, 50/60Hz, 8.0 - 4.0A |
| Power Consumption | | 100 - 240V~, 50 / 60Hz, 2.0 - 1.0A, 120W | |
| Approvals | | FCC, UL, CE, CB, KC, PSE | |

DR-6000 SERIES

| | DR-6332PS-SA | DR-6316PS-SA | DR-6308P-SA |
|---|--|--|--|
| Model Name | | | |
|   | | | |
| VIDEO | | | |
| Video Inputs | 32 IP Channels | 16 IP Channels | 8 IP Channels |
| Max. Incoming Throughput | 370Mbps | 320Mbps | 270Mbps |
| Supported Camera | DirectIP, AXIS, PANASONIC, ONVIF | | |
| Video Outputs | 1 HDMI, 1 VGA | | |
| Display Resolution | HDMI : 3840 x 2160, 1920 x 1200, 1920 x 1080, 1680 x 1050, 1600 x 1200 VGA : 1920 x 1200, 1920 x 1080, 1680 x 1050, 1600 x 1200 | | |
| Display Speed | Up to 960ips | Up to 480ips | Up to 240ips |
| RECORDING | | | |
| Max. Throughput | 230Mbps, 960ips @ UHD | 180Mbps, 480ips @ UHD | 140Mbps, 240ips @ UHD |
| Recording Resolution | Up to 12MP (Depending on IP Camera) | | |
| Compression | H.265, H.264 | | |
| Intelligent Codec | Supported | | |
| Recording Mode | Time-lapse, Event, Pre-event, Panic | | |
| PLAYBACK | | | |
| Performance | 16ch Full HD Synchronous Playback 4ch 4K Playback | 16ch Full HD Synchronous Playback 4ch 4K Playback | 8ch Full HD Synchronous Playback 4ch 4K Playback |
| Search Mode | Time-lapse, Event Log, Thumbnail, Motion, Text-in | | |
| STORAGE | | | |
| HDD | SATA x 6, eSATA x 4, RAID 1 Supported | | |
| Total Capacity | 124TB=10TB x 6(Internal) + 4TB x 4 x 4(External)) | | |
| NETWORK | | | |
| Client Connection | Gigabit Ethernet (Client) x 1 | | |
| Video In Connection | Gigabit Ethernet (IP Camera) x 16 + Gigabit Ethernet (Ext) x 1 | Gigabit Ethernet (IP Camera) x 16 + Gigabit Ethernet (Ext) x 1 | Gigabit Ethernet (IP Camera) x 8 + Gigabit Ethernet (Ext) x 1 |
| Transmission Speed | 50Mbps / 100Mbps (BRP Mode) | | |
| Camera Power | PoE (IEEE 802.3at Class 4) Supported 16 Ports, 120W | PoE (IEEE 802.3at Class 4) Supported 16 Ports, 120W | PoE (IEEE 802.3at Class 4) Supported 8 Ports, 120W |
| Client Viewer | IDIS Center, IDIS Mobile, IDIS Web, IDIS Solution Suite | | |
| INTERFACE | | | |
| Audio In / Out | Local (NVR) : 1 RCA / 1 RCA + 1 HDMI IP Camera : 32 / 32 (Depending on IP Camera) | Local (NVR) : 1 RCA / 1 RCA + 1 HDMI IP Camera : 16 / 16 (Depending on IP Camera) | Local (NVR) : 1 RCA / 1 RCA + 1 HDMI IP Camera : 8 / 8 (Depending on IP Camera) |
| Alarm In / Out | Local (NVR) : 4 / 1 IP Camera : 32 / 32 (Depending on IP Camera) | Local (NVR) : 4 / 1 IP Camera : 16 / 16 (Depending on IP Camera) | Local (NVR) : 4 / 1 IP Camera : 8 / 8 (Depending on IP Camera) |
| Alarm Reset In | 1 | | |
| Serial Interface | RS232 (Terminal Block), RS485 (Terminal Block) | | |
| USB | USB 2.0 x 1, USB 3.0 x 1 | | |
| GENERAL | | | |
| Operating System | Embedded Linux | | |
| Dimensions (W x H x D) | 430mm x 88mm x 413.8mm (16.9" x 3.5" x 16.29") | | |
| Unit Weight | 6.0kg (13.2lb) (with 1 HDD) | | |
| Power Input | AC 100-240V, 50/60Hz, 3.0 - 1.5A | | |
| Power Consumption | 100-240V~, 50/60Hz, 3.0-1.5A, 200W | | |
| Approvals | FCC, UL, CE, CB, KC, PSE | | |

DR-6500 SERIES

| | DR-6532P | DR-6516P | DR-6508P |
|--------------------------|--|--|--|
| Model Name | | | |
| VIDEO | | | |
| Video Inputs | 32 IP Channels | 16 IP Channels | 8 IP Channels |
| Max. Incoming Throughput | 370Mbps | 320Mbps | 270Mbps |
| Supported Camera | | DirectIP, AXIS, PANASONIC, ONVIF | |
| Video Outputs | | 2 HDMI | |
| Display Resolution | HDMI : 3840 x 2160, 1920 x 1200, 1920 x 1080, 1680 x 1050, 1600 x 1200 | | |
| Display Speed | Up to 960ips | Up to 480ips | Up to 240ips |
| RECORDING | | | |
| Max. Throughput | 230Mbps, 960ips @ FHD | 180Mbps, 480ips @ FHD | 140Mbps, 240ips @ FHD |
| Recording Resolution | | Up to 12MP (Depending on IP Camera) | |
| Compression | | H.265, H.264 | |
| Intelligent Codec | | Supported | |
| Recording Mode | Time-lapse, Event, Pre-event, Panic | | |
| PLAYBACK | | | |
| Performance | 32ch Synchronous Playback | 16ch Synchronous Playback | 8ch Synchronous Playback |
| Search Mode | Time-lapse, Event Log, Text-in | | |
| STORAGE | | | |
| HDD | SATA x 6, eSATA x 4, RAID 1 supported | | |
| Total Capacity | 124TB=10TB x 6 (Internal) + 4TB x 4 x 4 (External)) | | |
| NETWORK | | | |
| Client Connection | Gigabit Ethernet (Client) x 1 | | |
| Video In Connection | Gigabit Ethernet (IP Camera) x16 + Gigabit Ethernet(Ext) x1 | Gigabit Ethernet (IP Camera) x16 +Gigabit Ethernet(Ext) x1 | Gigabit Ethernet (IP Camera) x 8 + Gigabit Ethernet(Ext) x1 |
| Transmission Speed | 50Mbps / 100Mbps (BRP Mode) | | |
| Camera Power | PoE(IEEE 802.3at Class 4) Supported 16 Ports, 120W | PoE(IEEE 802.3at Class 4) Supported 16 Ports, 120W | PoE(IEEE 802.3at Class 4) Supported 8 Ports, 120W |
| Client Viewer | IDIS Center, IDIS Mobile, IDIS Web, IDIS Solution Suite | | |
| INTERFACE | | | |
| Audio In / Out | Local (NVR) : 1 RCA / 1RCA + 2HDMI IP Camera : 32 / 32 (Depending on IP Camera) | Local (NVR) : 1 RCA / 1RCA + 2HDMI IP Camera : 16 / 16 (Depending on IP Camera) | Local (NVR) : 1 RCA / 1RCA + 2HDMI IP Camera : 8 / 8 (Depending on IP Camera) |
| Alarm In / Out | Local (NVR) : 4 / 1 IP Camera : 32 / 32 (Depending on IP Camera) | Local (NVR) : 4 / 1 IP Camera : 16 / 16 (Depending on IP Camera) | Local (NVR) : 4 / 1 IP Camera : 8 / 8 (Depending on IP Camera) |
| Alarm Reset In | 1 | | |
| Serial Interface | RS232 (Terminal Block), RS485 (Terminal Block) | | |
| USB | USB 2.0 x 1, USB 3.0 x 1 | | |
| GENERAL | | | |
| Operating System | Embedded Linux | | |
| Dimensions (W x H x D) | 430mm x 88mm x 412.8mm (16.9" x 3.5" x 16.25") | | |
| Unit Weight | 6.75kg (14.88lb) (with 1HDD) | | |
| Power Input | AC 100-240V, 50/60Hz, 3.0 - 1.5A | | |
| Power Consumption | 100-240V~, 50/60Hz, 3.0-1.5A, 250W | | |
| Approvals | FCC, UL, CE, CB | | |

DR-2000 SERIES

| | DR-2316P-A | DR-2308P-A | DR-2404P-A | DR-2304P-A |
|--------------------------|--|--|---|---|
| Model Name |  4K UHD |  4K UHD |  4K UHD |  4K UHD |
| VIDEO | | | | |
| Video Inputs | 16 IP Channels | 8 IP Channels | 4 IP channels | 4 IP Channels |
| Max. Incoming Throughput | 320Mbps | 270Mbps | 160Mbps | 160Mbps |
| Supported Camera | DirectIP, AXIS, PANASONIC, ONVIF | | | |
| Video Outputs | 1 HDMI, 1 VGA | | | |
| Display Resolution | HDMI : 3840 x 2160, 1920 x 1200, 1920 x 1080, 1680 x 1050, 1600 x 1200 VGA : 1920 x 1200, 1920 x 1080, 1680 x 1050, 1600 x 1200 | | | |
| Display Speed | Up to 480ips | Up to 240ips | Up to 120ips | Up to 120ips |
| RECORDING | | | | |
| Max. Throughput | 180Mbps, 480ips @ UHD | 140Mbps, 240ips @ UHD | 70Mbps, 120ips @ UHD | 70Mbps, 120ips @ UHD |
| Recording Resolution | Up to 12MP (Depending on IP Camera) | | | |
| Compression | H.265, H.264 | | | |
| Intelligent Codec | Supported | | | |
| Recording Mode | Time-Lapse, Event, Pre-Event, Panic | | | |
| PLAYBACK | | | | |
| Performance | 16ch Full HD Synchronous Playback, 4ch 4K Playback | 8ch Full HD Synchronous Playback, 4ch 4K Playback | 4ch 4K, Playback | 4ch 4K, Playback |
| Search Mode | Time-lapse, Event Log, Thumbnail, Motion, Text-in | | | |
| STORAGE | | | | |
| HDD | SATA x2, eSATA x1 | SATA x2, eSATA x1 | SATA x2, eSATA x1, RAID 1 Supported | SATA x2, eSATA x1 |
| Total Capacity | 36TB=10TB x 2(Internal) + 4TB x 1x4(External) | 36TB=10TB x 2(Internal) + 4TB x 1x4(External) | 32TB=8TB x 2(Internal) + 4TB x 1x4(External) | 36TB=10TB x 2(Internal) + 4TB x 1x4(External) |
| NETWORK | | | | |
| Client Connection | Gigabit Ethernet (Client) x 1 | | | |
| Video In Connection | Fast Ethernet (IP Camera) x 8 + Gigabit Ethernet (Ext) x 1 | Fast Ethernet (IP Camera) x 8 + Gigabit Ethernet (Ext) x 1 | Fast Ethernet (IP Camera) x 4 | Fast Ethernet (IP Camera) x 4 |
| Transmission Speed | 50Mbps / 100Mbps (BRP Mode) | | | |
| Camera Power | PoE (IEEE 802.3at Class 4) Supported 8 Ports, 50W | PoE (IEEE 802.3at Class 4) Supported 8 Ports, 50W | PoE (IEEE 802.3at Class 4) Supported 4 Ports, 30W | PoE (IEEE 802.3at Class 4) Supported 4 Ports, 30W |
| Client Viewer | IDIS Center, IDIS Mobile, IDIS Web, IDIS Solution Suite | | | |
| INTERFACE | | | | |
| Audio In / Out | Local (NVR) : - / 1 RCA + 1 HDMI IP Camera : 16 / 16 (Depending on IP Camera) | Local (NVR) : - / 1 RCA + 1 HDMI IP Camera : 8 / 8 (Depending on IP Camera) | Local (NVR) : - / 1 RCA + 1 HDMI IP Camera : 4 / 4 (Depending on IP Camera) | Local (NVR) : - / 1 RCA + 1 HDMI IP Camera : 4 / 4 (Depending on IP Camera) |
| Alarm In / Out | Local (NVR) : 4 / 1 IP Camera : 16 / 16 (Depending on IP Camera) | Local (NVR) : 4 / 1 IP Camera : 8 / 8 (Depending on IP Camera) | Local (NVR) : 4 / 1 IP Camera : 4 / 4 (Depending on IP Camera) | Local (NVR) : 4 / 1 IP Camera : 4 / 4 (Depending on IP Camera) |
| Alarm Reset In | - | | | |
| Serial Interface | RS232 (Terminal Block) | | | |
| USB | USB 2.0 x 1, USB 3.0 x 1 | | | |
| GENERAL | | | | |
| Operating System | Embedded Linux | | | |
| Dimensions (W x H x D) | 300mm x 62mm x 231 mm (11.8" x 2.4" x 9.1") | | | |
| Unit Weight | 2.3kg (5.1lb) (with 1 HDD) | | | |
| Power Input | DC 12V 1.76A (for NVR), DC48V 1.1A(for PSE) | DC 12V 1.76A (for NVR), DC 48V 1.1A (for PSE) | DC 12V 1.76A (for NVR), DC 48V 0.65A (for PSE) | DC 12V 1.76A (for NVR), DC 48V 0.65A (for PSE) |
| Power Consumption | NVR: 12V=, 1.76A, 21.12W PSE: 48V=, 1.1A, 52.8W MAX | NVR: 12V=, 1.76A, 21.12W PSE: 48V=, 1.1A, 52.8W MAX | NVR: 12V=, 1.76A, 21.12W PSE: 48V=, 0.65A, 31.2W MAX | NVR: 12V=, 1.76A, 21.12W PSE: 48V=, 0.65A, 31.2W MAX |
| Approvals | FCC, CE, KC | | | |



IDIS Compact Solution

Quality Compact Solution Packed with Essential
and Easy-To-Use Features

DR-1000 SERIES | IDIS Compact Solution

| | DR-1308P | DR-1304P | DR-1304PC |
|--------------------------|--|---|---|
| Model Name |  |  |  |
| VIDEO | | | |
| Video Inputs | 8 IP Channels | 4 IP Channels | 4 IP Channels |
| Max. Incoming Throughput | 70Mbps | 50Mbps | 50Mbps |
| Supported Camera | | DirectIP | |
| Video Outputs | | 1 HDMI, 1 VGA | |
| Display Resolution | 1920 x 1200 , 1920 x 1080, 1680 x 1050, 1600 x 1200 | | |
| Display Speed | Up to 240ips | Up to 120ips | Up to 120ips |
| RECORDING | | | |
| Max. Throughput | 40Mbps, 240ips @ 5MP | 20Mbps, 120ips @ 5MP | 20Mbps, 120ips @ 5MP |
| Recording Resolution | Up to 5MP (Depending on IP Camera) | | |
| Compression | H.265, H.264 | | |
| Intelligent Codec | Supported | | |
| Recording Mode | Time-lapse, Event, Pre-event, Panic | | |
| PLAYBACK | | | |
| Performance | 4ch Full HD Synchronous Playback | | |
| Search Mode | Time-lapse, Event Log, Motion | | |
| STORAGE | | | |
| HDD | SATA x 1, (Up to 6TB Capacity, 3.5") | SATA x 1, (Up to 6TB Capacity, 3.5") | SATA x1, (Up to 1TB Capacity, 2.5") |
| Total Capacity | 6TB = 6TB x 1 | 6TB = 6TB x 1 | 1TB = 1TB x 1 |
| NETWORK | | | |
| Client Connection | Fast Ethernet (Client) x 1 | | |
| Video In Connection | Fast Ethernet (IP Camera) x 8 | Fast Ethernet (IP Camera) x 4 | Fast Ethernet (IP Camera) x 4 |
| Transmission Speed | 20Mbps | | |
| Camera Power | PoE (IEEE 802.3at Class 4) Supported 8 Ports, 50W | PoE (IEEE 802.3at Class 4) Supported 4 Ports, 30W | PoE (IEEE 802.3at Class 4) Supported 4 Ports, 30W |
| Client Viewer | IDIS Center, IDIS Mobile, IDIS Solution Suite, IDIS Web (web.idisglobal.com only) | | |
| INTERFACE | | | |
| Audio In / Out | No | | |
| Alarm In / Out | No | | |
| Alarm Reset In | - | | |
| Serial Interface | No | | |
| USB | USB 2.0 x 2 | | |
| GENERAL | | | |
| Operating System | Embedded Linux | | |
| Dimensions (W x H x D) | 205mm x 44.5mm x 216.4mm (8.07" x 1.75" x 8.52") | 205mm x 44.5mm x 216.4mm (8.07" x 1.75" x 8.52") | 170mm x 44.5mm x 107.9mm (6.69" x 1.75" x 4.25") |
| Unit Weight | 1.31kg (2.89lb) (with 1 HDD) | 1.27kg (2.80lb) (with 1 HDD) | 0.43 kg (0.96 lb) (with 1 HDD) |
| Power Input | NVR Adaptor (Input : 100-240V~, 50/60Hz, 2A, Output : 56V , 1.28A) (DR-1308P) (In countries using 200-240V such as UK) NVR Adaptor (Input : 100-240V~, 50/60Hz, 1.2A, Output : 54V , 1.67A) (DR-1308P) (In countries using 100-127V such as US) | NVR Adaptor (Input : 100-240V~, 50/60Hz, 1.2A, Output : 48V , 1.0A) | NVR Adaptor (Input : 100-240V~, 50/60Hz, 1.2A, Output : 48V , 1.0A) |
| Power Consumption | NVR: 54-56V, 1.14-1.1A, 61.6W PSE : Max. 50W | NVR: 48V , 0.81A, Max. 39W PSE : Max. 30W | NVR: 48V, 0.75A, Max. 36W PSE : Max. 30W |
| Approvals | KC, CE, FCC | | |

ENTERPRISE NETWORK VIDEO RECORDERS

Preinstalled VMS with IDIS Workstation

IR-300A

**NDAAC
Compliance**

IDIS SOLUTION
SUITE®

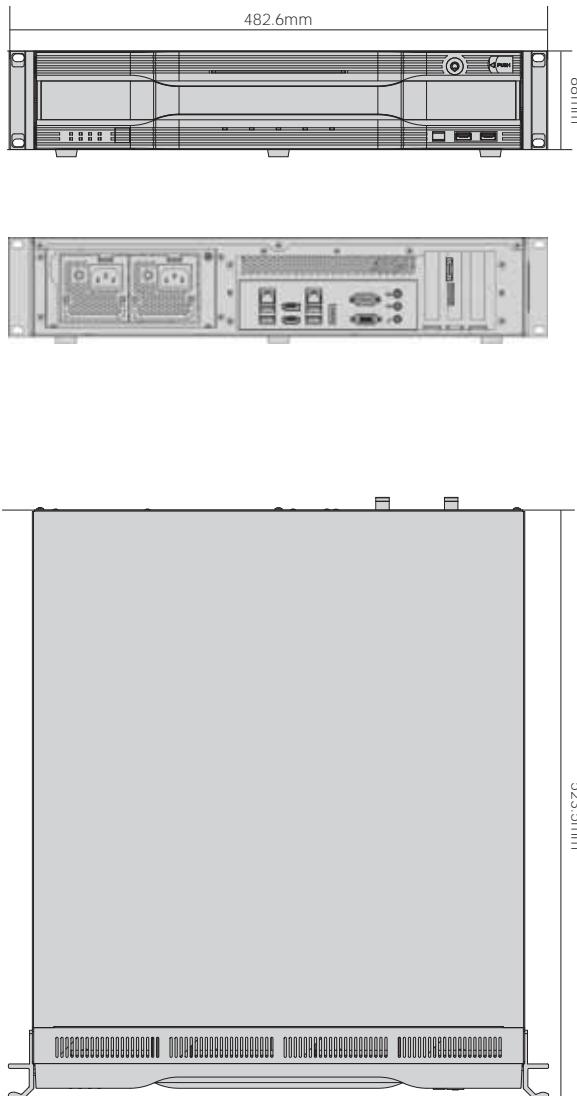


The IDIS Enterprise NVR, IR-300A, allows users to establish a reliable, high performance surveillance system in minutes while providing exceptional manageability. The IR-300A operating system (OS), powered by SSD and IDIS Solution Suite VMS, is perfect for large-scale systems and ensures important data retention through RAID and Redundant Power.

IR-300A is ideal for building a powerful and economical surveillance system to meet enterprise level needs.

- Pre-installed with IDIS Solution Suite VMS
- Tested and validated with IDIS Solution Suite up to 64 Full HD H.264/265 IP cameras
- Storage configuration: 8 SATA + 3 eSATA Ports
- Supports up to 64 Full HD cameras in real-time for enterprise-level surveillance systems
- 400Mbps maximum recording bandwidth per server
- Complete compatibility with IDIS components : IP cameras, analog DVR, DirectCX TVR, DirectIP NVR, and encoders
- 2U rack mount chassis
- Supports H.264, H.265 compression, and Intelligent Codec
- Supports Onvif Profile S, Axis, Panasonic, etc.

DIMENSIONS



SPECIFICATIONS

| | | IR-300A |
|----------------------|-------------------------------|--|
| SYSTEM | IDIS Solution Suite | Compatible with Expert and Federation Version 2.8.2 or Higher |
| | Network Connection | 2 GbE RJ-45 Ports (1000Base-T) |
| | Recording Data Rate | Up to 400Mbps |
| | Number of Cameras | 64Ch Recommended |
| | Hard Disk Drive Configuration | 8 SATA + 3 eSATA RAID 1, 5, 10 Supported |
| | SSD | 240G SSD for Operating System (M.2 type) |
| | Operating System | Microsoft® Windows Embedded Standard 8 |
| | Processor | Intel® I7-7700, 3.6GHz |
| | Memory | DDR4 PC-17000, 16GB |
| | Video Outputs | 1 HDMI, 1 DP, 1 VGA |
| MECHANICAL | USB | 6 (2 Front USB 2.0 + 2 Back USB 3.0 + 2 Back USB 2.0) |
| | RS-232 | 1 (DB9) |
| | Optical Drive | - |
| | Form Factor | 2U Rack Mount Chassis |
| ELECTRICAL | Dimensions (W x D x H) | 482.6mm x 88mm x 523.5mm (19" x 3.5" x 20.6") |
| | Weight | 12.6kg (27.8lbs) |
| | Power Input | AC 100-240V~, 50/60Hz, 6.0 - 3.0A (Redundant) |
| ENVIRONMENTAL | Power Supply | Dual Power (Redundant SMPS) |
| | Power Consumption | 190W |
| ACCESSORIES SUPPLIED | Operating Temperature | 0° to 40°C (32° to 104°F) |
| | Operating Humidity | 0% to 90% |
| GENERAL | | Power Cord |
| | | FCC, CE, CB, UL, PSE |

ENTERPRISE NETWORK VIDEO RECORDERS

Preinstalled VMS with IDIS Workstation

IR-100 | **NDAA**
Compliance | **IDIS** SOLUTION SUITE®

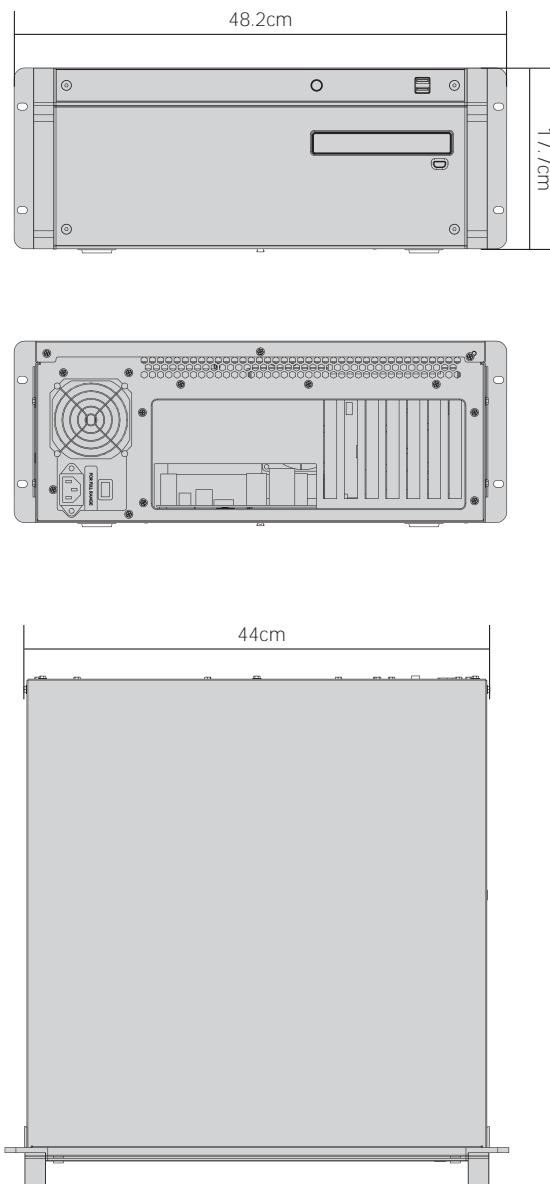


The IDIS Enterprise network video recorder (NVR) is designed with a perfect balance of performance, expandability, reliability, and manageability to provide an industry-leading, world-class security solution. It is built using best-in-class components that provide flexibility and scalability that are needed to design a video system suited for a variety of end-user applications.

Pre-installed IDIS Solution Suite video management software (VMS) provides greater control of situations through the monitoring of multiple cameras and enhanced operational flexibility by centralised management, together with cost effective recording and integration capabilities.

- Pre-installed with IDIS Solution Suite VMS
- Tested and validated with IDIS Solution Suite up to 32 Full HD H.264/265 IP cameras
- Storage configuration: 5 SATA + 1 eSATA Ports
- Supports up to 32 Full HD cameras in real-time for enterprise-level surveillance systems
- 352Mbps maximum recording bandwidth per server
- Complete compatibility with IDIS components: IP cameras, analog DVR, DirectCX TVR, DirectIP NVR, and encoders
- 4U rack mount chassis
- Supports H.264, H.265 compression, and Intelligent Codec
- Supports Onvif Profile S, Axis, Panasonic, etc.

DIMENSIONS



SPECIFICATIONS

| IR-100 | | |
|----------------------|-------------------------------|---|
| SYSTEM | IDIS Solution Suite | Compatible with Expert and Federation Version 2.6.0 or Higher |
| | Network Connection | 2 GbE RJ-45 Ports (1000Base-T) |
| | Recording Data Rate | Up to 352Mbps |
| | Number of Cameras | 32Ch Recommended |
| | Hard Disk Drive Configuration | 5 SATA + 1 eSATA |
| | SSD | - |
| | Operating System | Microsoft® Windows Embedded Standard 8 |
| | Processor | Intel® I7-7700, 3.6GHz |
| | Memory | DDR4 PC-17000, 8GB |
| | Video Outputs | 1 HDMI, 1 DP, 1 VGA |
| MECHANICAL | USB | 6 (2 Front USB 2.0 + 2 Back USB 3.0 + 2 Back USB 2.0) |
| | RS-232 | 1 (DB9) |
| | Optical Drive | 1 DVD-RW |
| ELECTRICAL | Form Factor | 4U Rack Mount Chassis |
| | Dimensions (W x D x H) | 440mm x 177mm x 462mm (17.3" x 7.0" x 18.2") |
| | Weight | 15.3kg 33.7lbs |
| ENVIRONMENTAL | Power Input | AC 100-240 V, 50/60Hz, 3.0 - 1.5A |
| | Power Supply | Single Power |
| | Power Consumption | 90W |
| ACCESSORIES SUPPLIED | Operating Temperature | 5°C to 40°C (41°F to 104°F) |
| | Operating Humidity | 0% to 90% |
| GENERAL | Power Cord | 1 |
| | Approvals | FCC, CE, CB, UL |

ENTERPRISE NETWORK VIDEO RECORDERS

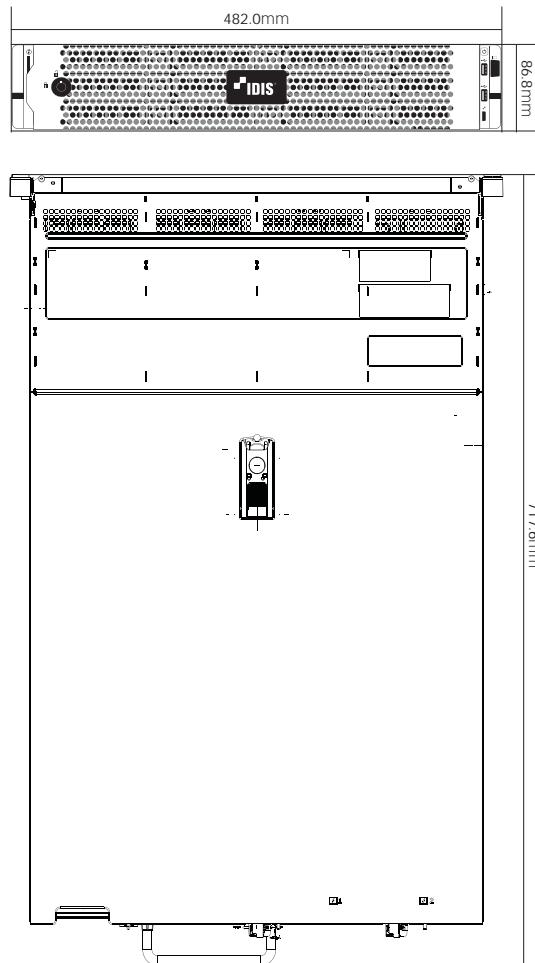
Preinstalled VMS with Server PC

IR-1100 | **NDAA** Compliance | **IDIS** SOLUTION SUITE®



- Pre-installed with IDIS Solution Suite VMS
- Tested and validated with IDIS Solution Suite up to 256 Full HD H.264/H.265 IP cameras
- Supports up to 256 Full HD cameras in real-time for enterprise-level surveillance systems
- 1,024Mbps (128MBps) maximum recording bandwidth per server
- Redundant power for mission-critical reliability
- Complete compatibility with IDIS components: IP cameras, analog DVR, DirectCX TVR, DirectIP NVR, and encoders
- Equipped with RAID 5, RAID 6 recording, Hot swappable
- 2U rack mount chassis with sliding rails and cable management arm for ease of access
- Supports H.264, H.265 compression, and Intelligent Codec
- Supports Onvif Profile S, Axis, Panasonic, etc.

DIMENSIONS



SPECIFICATIONS

| IR-1100 | | |
|----------------------|--------------------------------|---|
| SYSTEM | IDIS Solution Suite | Compatible with Expert and Federation Version 2.6.0 or Higher |
| | Network Connection | 4 GbE RJ-45 Ports (1000Base-T) |
| | Recording Data Rate | Up to 1024Mbps (128MBps) |
| | Number of Cameras | Up to 256 |
| | Recording Storage | 8 Bay |
| | Hard Disk Drive Configuration | Up to 8 x Large Form Factor Near-line SATA Hard Disk Drives, Hot-swappable, RAID 5, RAID 6 |
| | Operating System | Microsoft® Embedded Windows Server 2016 |
| | Processor | Intel® Xeon® Processor silver 4210 2.2G, 10C/20T |
| | Memory | 8GB RAM (1 x 8GB DDR4-2666MT/s RDIMM) |
| | Video Outputs | 1 VGA |
| MECHANICAL | Form Factor | 2U Rack Mount Chassis |
| | Dimensions (W x H x D) | 482.0mm x 717.6mm x 86.8mm (18.97" x 27.71" x 3.41") |
| | Weight | 34.5kg (76 lbs) |
| ELECTRICAL | Power Input | 100-240V AC, 50/60Hz |
| | Power Supply | Redundant, Hot Swappable |
| | Power Consumption | 750W |
| ENVIRONMENTAL | Operating Temperature | 10° to 35°C (50° to 95°F) |
| | Storage Temperature | -40° to 65°C (-40° to 149°F) |
| | Operating Humidity | 10% to 80% Relative Humidity |
| | Non-operating Humidity | 5% to 95% Relative Humidity, 38.7°C (101.7°F) Maximum Wet Bulb Temperature, Non-condensing |
| | Operating Vibration | 0.26 Grms at 5 Hz to 350 Hz |
| | Storage Vibration | 1.88 Grms at 10 Hz to 500 Hz for 15 min |
| | Operating Shock | Six consecutively executed shock pulses in the positive and negative x, y, and z axes of 6 G for up to 11ms |
| | Storage Shock | Six consecutively executed shock pulses in the positive and negative x, y, and z axes (one pulse on each side of the system) of 71 G for up to 2 ms |
| | Operating Altitude | 3048m (10,000ft) |
| | Storage Altitude | 12,000 m (39,370 ft) |
| ACCESSORIES SUPPLIED | Rack Mount Kit | Sliding rail system with cable management arm. Supports: <ul style="list-style-type: none">Tool-less mounting in 19"-wide EIA-310-E compliant square hole and unthreaded round-hole 4-post racksTooled mounting in threaded hole 4-post racks |
| | Cable Management Arm | Yes |
| | Rack Bezel | 1, Front |
| CERTIFICATIONS | Power Cord | 1 |
| | Emissions Classification (EMC) | FCC Rating Class A CISPR 22, EN55022, EN55024, FCC CFR 47, Pt 15, ICES-003, CvNS14336-1, CNS13438, GB4943, GB9254, EN 61000-3-2, EN61000-3-3 |
| | Directives | RoHS, Reach(SVHC), WEEE |

ORDERING INFORMATION

| Part Number | Description |
|----------------------|---|
| IR-1100-16TB WS12 DP | IDIS Enterprise NVR, 16TB, RAID5 / Redundant Power Supply with Microsoft Windows Server 2016 and IDIS Solution Suite Expert |
| IR-1100-32TB WS12 DP | IDIS Enterprise NVR, 32TB, RAID5 / Redundant Power Supply with Microsoft Windows Server 2016 and IDIS Solution Suite Expert |
| IR-1100-48TB WS12 DP | IDIS Enterprise NVR, 48TB, RAID5 / Redundant Power Supply with Microsoft Windows Server 2016 and IDIS Solution Suite Expert |

ENTERPRISE NETWORK VIDEO RECORDERS

Server Storage with IR-1100

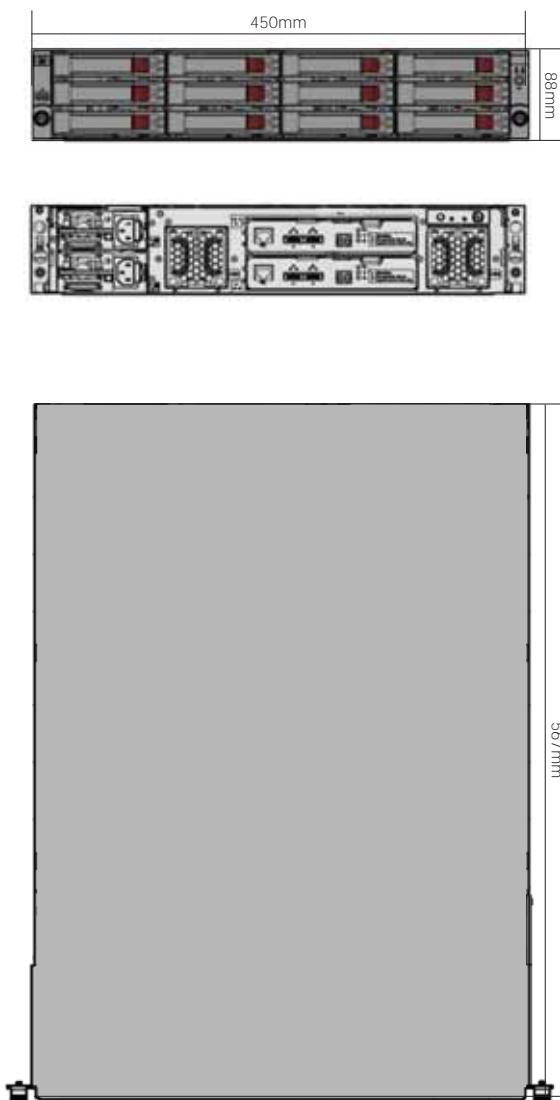
IS-1100



The expansion storage of an IDIS Enterprise network video recorder (NVR) provides greater flexibility to increase storage capacity in a world-class security solution. Hot-swappable disk drives, power supplies, and cooling guarantee a system that runs without recording disruption. Pre-failure alerts generated by extensive fault prediction capabilities minimize a risk of failure in an IDIS enterprise security system. Storage capacity can be easily increased up to eight expansion storage units or 96 drives, without IT expertise. Flexibility to mix and match SAS and SATA drives in the same enclosure provides more drive options for storage expansion.

- 12Gbps SAS offering unmatched I/O performance
- Support to mix and match NL-SAS, SAS and SSD drives
- RAID levels : 0, 1, 5, 6, 10, 50, 60
- Hot-swappable drives, fans and power supplies

DIMENSIONS



SPECIFICATIONS

| IS-1100 | | |
|----------------------|-------------------------------|---|
| SYSTEM | Hard Disk Drive Configuration | Up to 12 x 3.5" SATA |
| | Recording Storage Capacity | Up to 72TB Raw, 60TB Effective (RAID6), 66TB Effective (RAID 5) |
| | Interface to IR-1000 | Ipass (Mini-SAS), Two (One in, Other is out) |
| | Expansion capabilities | Up to 8 Expansion Storage |
| MECHANICAL | Form Factor | 2U Rack Mount Chassis |
| | Dimensions (W x H x D) | 482.0mm x 591.8mm X 87.0mm (19.98" x 23.3" x 3.43") |
| | Weight | Max 28.4kg (62.6lbs) |
| ELECTRICAL | Power Input | 100-240V AC, 50/60Hz |
| | Power Supply | Redundant, Hot Swappable |
| | Power Consumption | 600W |
| ENVIRONMENTAL | Operating Temperature | 10°C to 35°C (50°F to 95°F) |
| | Storage Temperature | -40° to 65°C (-40° to 149°F) |
| | Operating Humidity | 18% to 85% Relative humidity |
| | Non-operating Humidity | 5% to 95% Relative humidity |
| | Operating Altitude | -16 to 3048 m (-50 to 10,000 ft) |
| | Storage Altitude | -16 to 10,600 m (-50 to 35,000 ft) |
| ACCESSORIES SUPPLIED | Rack Rail System | Sliding rail system with cable management arm. Supports: • Tool-less mounting in 19"-wide EIA-310-E compliant square hole and unthreaded round-hole 4-post racks • Tool-ed mounting in threaded hole 4-post racks |
| | Cable Management Arm | Yes |
| | Rack Bezel | No |
| | Power Cord | 1 |
| CERTIFICATIONS | Emissions Classification | FCC Rating Class A |
| | (EMC) | CISPR 22, EN55022, EN55024, FCC CFR 47, Pt 15, ICES-003, CvNS14336-1, CNS13438, GB4943, GB9254, EN 61000-3-2, EN61000-3-3 |
| | Directives | RoHS, Reach (SVHC), WEEE |

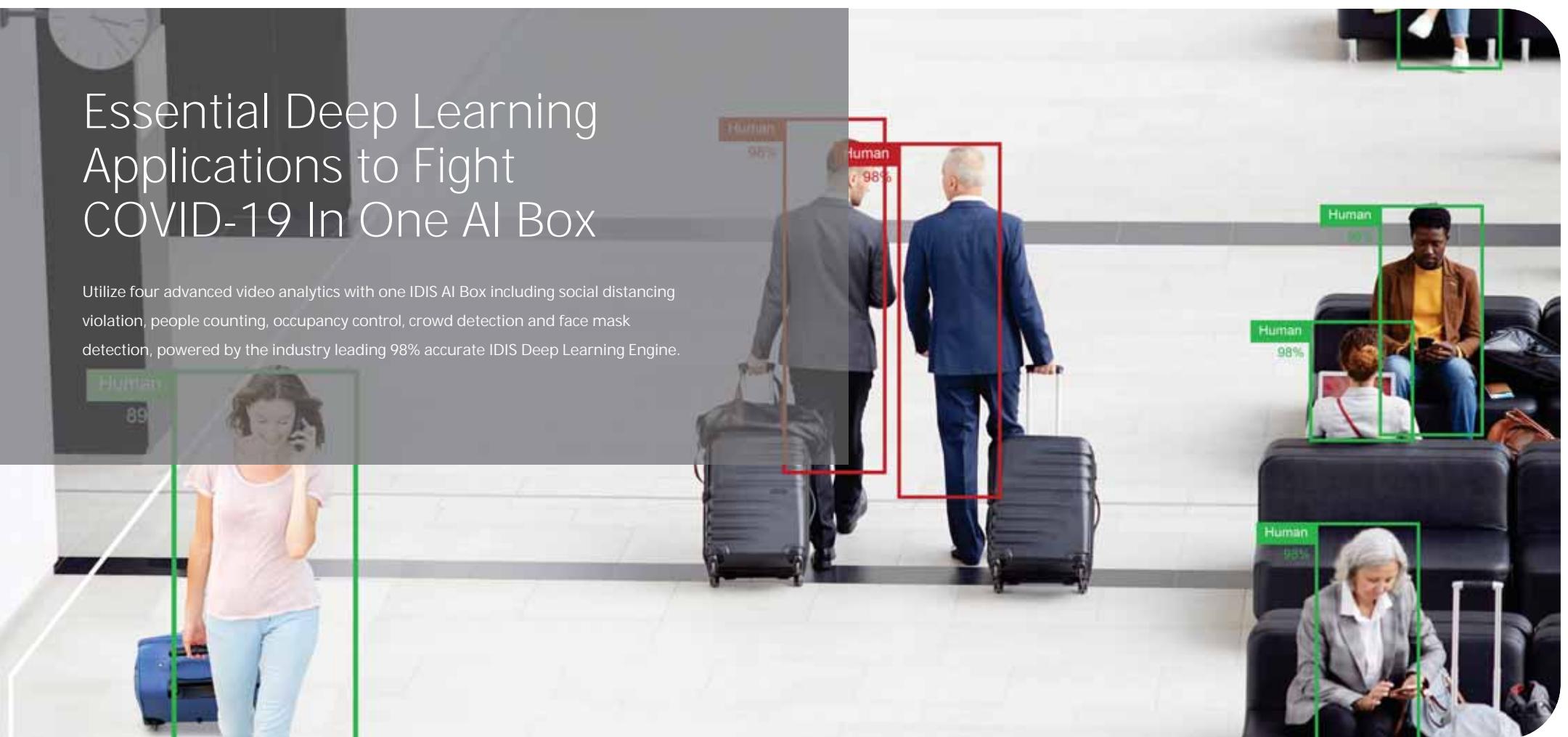
ORDERING INFORMATION

| Part Number | Description |
|--------------------------|--|
| IS-1000-EXE1-CNTR | Controller Card for Connecting Storage Expansion to an IDIS Enterprise NVR |
| IS-1000-EXE1-3TB-RD5 | 3TB / SAS Cable |
| IS-1000-EXE1-48TB-RD5 | 48TB RAID5 Expansion / SAS Cable |
| IS-1000-EXE1-48TB-RD6 | 48TB RAID6 Expansion / SAS Cable |
| IS-1000-EXE1-72TB-RD5 | 72TB RAID5 Expansion / SAS Cable |
| IS-1000-EXE1-72TB-RD6 | 72TB RAID6 Expansion / SAS Cable |
| IS-1000-EXE1-3Y WTY 24HR | 3 Year 24/7 Full Care Service |

DEEP LEARNING ANALYTICS NETWORK VIDEO RECORDERS

Essential Deep Learning
Applications to Fight
COVID-19 In One AI Box

Utilize four advanced video analytics with one IDIS AI Box including social distancing violation, people counting, occupancy control, crowd detection and face mask detection, powered by the industry leading 98% accurate IDIS Deep Learning Engine.



AI in the Box

DV-2232



- A specialized DirectIP NVR
- Supports up to 32-ch IP cameras
- Powered by advanced IDIS Deep-Learning Analytics (IDLA)
- People Counting and Occupancy Control
- Crowd Detection
- Social Distancing Violation
- Mask Rule Violation
- Real-time event notifications with high accuracy
- Live Occupancy Dashboard
- Dashboard Reporting of visitor flow and compliance



IDIS Deep Learning Analytics (IDLA)

Powered by the
IDIS Deep Learning Engine



Social Distancing Violation Detection

Crowd Detection

Face Mask Detection

People Counting and Occupancy Monitoring

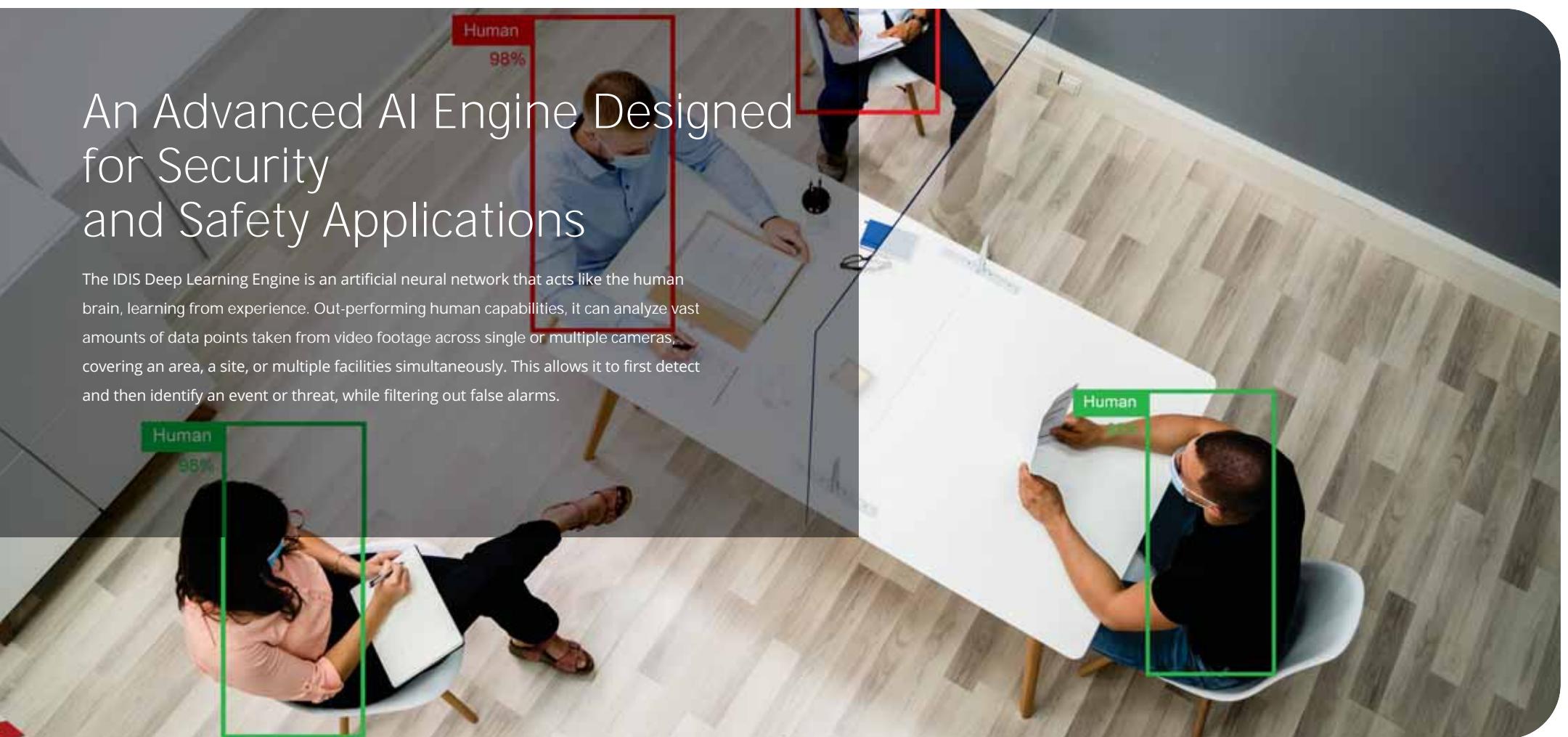
DV-2232

| SYSTEM | |
|----------------------------|---|
| Video Compression | H.264, H.265 |
| Video Inputs | 32ch IP |
| Supported Device | DirectIP NVR |
| Newtork Connection | Gigabit Ethernet x 1 (1000Base-T) |
| IDLA Processing Unit | NVIDIA RTX2060, 8GB |
| Operating System | Microsoft® Windows Embedded Standard 8 |
| Processor | Intel® I7-7700, 3.6GHz |
| Memory | DDR4 PC-19200, 8GB |
| Video Outputs | 1 HDMI, 1 DP, 1 VGA |
| USB | 6 (2 Front USB 2.0 + 2 Back USB 3.0 + 2 Back USB 2.0) |
| VA Support | Social Distancing Violation Detection Crowd Detection Face Mask Detection People Counting and Occupancy Monitoring |
| GENERAL | |
| Unit Dimension (W x H x D) | 440mm x 462mm x 177mm (17.3" x 18.2" x 7.0") |
| Unit Weight | 14.0kg (30.9 lb) |
| Operating Temperature | 0°C to 40°C (32°F to 104°F) |
| Operating Humidity | 0% to 90% |
| Power Input | AC 100-240 V, 50/60Hz, 5.5 - 2.5A |
| Power Supply | Single Power |
| Power Consumption | 350W |
| ACCESSORIES SUPPLIED | |
| Power Cord | 1 |
| GENERAL | |
| Approvals | FCC, CE, CB, UL, KC |

DEEP LEARNING ANALYTICS NETWORK VIDEO RECORDERS

An Advanced AI Engine Designed
for Security
and Safety Applications

The IDIS Deep Learning Engine is an artificial neural network that acts like the human brain, learning from experience. Out-performing human capabilities, it can analyze vast amounts of data points taken from video footage across single or multiple cameras, covering an area, a site, or multiple facilities simultaneously. This allows it to first detect and then identify an event or threat, while filtering out false alarms.



AI in the BOX with IDIS Solution Suite

DV-3100

IDIS **SOLUTION SUITE®**



- AI in the BOX with IDIS Solution Suite
- Compatible with IDIS Deep-Learning Analytics (IDLA)
- 4U rack mount chassis

[IDLA]

- Superior Accuracy Deep-learning engine
- Object classification suitable for CCTV application
- Simple configuration and Zero calibration



IDIS Deep Learning Analytics (IDLA)

Powered by the
IDIS Deep Learning Engine

| DV-3100 | |
|----------------------------------|--|
| SYSTEM | |
| IDIS Solution Suite | Compatible with IDLA VA Service Version 3.0.0 or Higher |
| Network Connection | 2 GbE RJ-45 Ports (1000Base-T) |
| Channels available for Analytics | Up to 64ch in condition of 640 x 360 @ 5ips video input |
| IDLA Processing Unit | NVIDIA RTX2060, 8GB |
| Operating System | Microsoft® Windows Embedded Standard 8 |
| Processor | Intel® I7-7700, 3.6GHz |
| Memory | DDR4 PC-19200, 8GB |
| Video Outputs | 1 HDMI, 1 DP, 1 VGA |
| USB | 6 (2 Front USB 2.0 + 2 Back USB 3.0 + 2 Back USB 2.0) |
| MECHANICAL | |
| Form Factor | 4U RACK Mount Chassis |
| Dimensions (W x D x H) | 440mm x 177mm x 462mm (17.3" x 7.0" x 18.2") |
| Weight | 14.0kg (30.9 lbs.) |
| ELECTRICAL | |
| Power Input | AC 100-240 V, 50/60Hz, 5.5 - 2.5A |
| Power Supply | Single Power |
| Power Consumption | 350W |
| ENVIRONMENTAL | |
| Operating Temperature | 0° to 40°C (32° to 104°F) |
| Operating Humidity | 0% to 90% |
| ACCESSORIES SUPPLIED | |
| Power Cord | 1 |
| GENERAL | |
| Certifications | FCC, CE, CB, UL, KC |

DEEP LEARNING ANALYTICS NETWORK VIDEO RECORDERS

Analytic Report with Style

Report with graphs and thumbnails by setting a time period. Periodical analysis for each feature is available through the VMS „VA report“ tab. You can check hourly/daily/weekly/monthly data in detail by simply entering a date and time. The data from the People Counting, Queue Management, and Heatmaps functions can be reviewed individually or collectively.



VA in the Box

DV-1104



People Counting Count, Track and Analyze

Know exactly how many people come and go. You can find the difference between the estimated and actual floating population. The management and administration through People Counting is essential for places requiring high-level security, such as an airport. Expected number of visitors can be predicted by accumulated data and appropriate action can be made in advance.



Queue Management Line Management and Analysis

Manage your lines and enhance customer satisfaction. Open and close the appropriate amount of counters necessary based on how many customers are in line. Operated by an alarm, this function allows employees to provide quick and accurate service to their waiting customers as well as an efficient internal shift-change system.



Heat Maps Visualize visitor footfall and Behavior

Highlight where people spend time and what they interact with. This is utilized to determine the best location where exposure needs to be maximized, such as new product zones or areas with sluggish sales. It can also be used to select the best locations for advertisements and promotional materials.

IDIS VA in the Box is one of the most powerful tools available for making businesses more competitive, giving you access to the information needed to make the best decisions possible. The data generated by the People Counting, Queue Management, Heatmaps and Analytic Reports functions gives you a chance to learn more about your customers, their behaviors, and their needs and demands.

| DV-1104 | |
|-------------------------|--|
| Key Features | <ul style="list-style-type: none">Specialised in DirectIP NVRSupports 4ch IP CameraSupports People CountingSupports HeatmapSupports Queue Management |
| DECODER | |
| Video Compression | H.265, H.264 |
| Video Inputs | 4ch IP |
| Supported Devices | DirectIP NVR |
| Max. Network Throughput | 20Mbps |
| Newtork Connection | Gigabit Ethernet x 1 |
| VA Support | People Counting Heatmaps Queue Management (Max. 3 queues) |
| GENERAL | |
| Dimension (W x H x D) | 200mm x 44mm x 153mm (7.9" x 1.7" x 6.0") |
| Unit Weight | 0.74kg (1.6lb) |
| Operating Temperature | 0°C to 40°C (32°F ~ 104°F) |
| PoE(class) | Yes (IEEE 802.3af Class 3) |
| Power source | 12VDC, PoE |
| Power Consumption | 12V=, 0.55A, 6.6W PoE, IEEE 802.3af (Class 3) |
| Approvals | FCC, CE, KC |



NETWORK CAMERAS

High Resolution Network Cameras

Quadruple video streaming for real-time IP surveillance

DirectIP network cameras provide high resolution image quality using a megapixel image sensor and seamless images by quadruple multimedia data streaming technology. Once you install and connect DirectIP network cameras and NVRs, the system will automatically display live video without any configuration. With a wide range of cameras available, you can find a network camera to meet your surveillance and environmental needs.

BOX CAMERAS

| | 3M(QXGA) DC-B3303X | 8MP DC-B1803 |
|------------------------------------|--|--|
| Model Name |  3MP |  4K 8MP |
| Image Sensor | 1/2.8" CMOS | 1/2.3" CMOS |
| Max. Resolution | 2048 x 1536 | 3840 x 2160 |
| Lens Type | Optional (C/CS mount) | Optional (C/CS Mount) |
| Iris Control | P-Iris / DC Auto Iris / Manual Iris | P-Iris / DC Auto Iris / Manual Iris |
| Min. Illumination | Color : 0.1 Lux @ F1.2 B/W : 0.01 Lux @ F1.2 | Color : 0.4 Lux @ F1.6 B/W : 0.04 Lux @ F1.6 |
| Dynamic Range | 120dB (True WDR) | More than 70dB |
| Day and Night | IR Cut Filter with Auto Switch | IR Cut Filter with Auto Switch |
| Image Stabilizer | - | - |
| De-fog | Yes | - |
| Video Out | 1 RCA | 1 RCA |
| Video Compression | H.265, H.264 (MP), M-JPEG | H.264 (MP), M-JPEG |
| Intelligent Codec | Supported | Supported |
| Audio Compression | ADPCM 16K, G.726, G.711 u-Law, G.711 a-Law | ADPCM 16K, G.726, G.711 u-Law |
| Max. Frame Rate | 30ips : 2048 x 1536 (WDR) | 60ips : 1920 x 1080 30ips : 3840 x 2160 15ips : 3840 x 2160 |
| Ethernet | RJ45 (10/100/1000 BASE-T) | RJ45 (10/100/1000 BASE-T) |
| Recording Session Buffer (NLTsrec) | Yes (Up to 40MB) | Yes (Up to 100MB) |
| Edge Storage | micro SD / SDHC / SDXC, Smart Failover (Up to 256GB) | micro SD / SDHC / SDXC, Smart Failover (Up to 128GB) |
| Trigger Event | Motion Detection Alarm In Audio Detection Tampering Trip Zone | Motion Detection Alarm In Audio Detection Tampering Trip Zone |
| Audio In / Out | Line-in 1ea (Built In MIC) + 1 / Line-out 1ea | Line-in 1ea (Built In MIC) + 1 / Line-out 1ea |
| Alarm In / Out | Input 1ea / Output 1ea | Input 1ea / Output 1ea |
| Vandal Proof Casing | - | - |
| Outdoor Ready | - | - |
| Operating Temperature | -10°C ~ +50°C (+14°F ~ +122°F) *Starting Up at Above 0°C (32°F) | -10°C ~ +50°C (+14°F ~ +122°F) *Starting Up at Above 0°C (32°F) |
| Dimensions (W x H x D) | 75.6mm x 61mm x 129.3mm (2.98" x 2.4" x 5.09") | 75.6mm x 61mm x 129.3mm (2.98" x 2.4" x 5.09") |
| Weight | 0.4kg (0.89 lb) | 0.4kg (0.89 lb) |
| Power Source | 12VDC, PoE IEEE 802.3af (Class 3) | 12VDC, PoE IEEE 802.3af (Class 3) |
| Power Consumption | 12V = 0.5A, 6W PoE, IEEE 802.3af, (Class 3) | 12V = 0.7A, 8.4W PoE, IEEE 802.3af, (Class 3) |
| Approval | FCC, CE, KC, UL | FCC, CE, KC, UL |

LENS

| | LENS DCL-M2880P |
|----------------------|---|
| Model Name |  |
| Specification | Vari-focal P-Iris 3MP IR |
| Imager Size | 1/3" (Applicable for 1/2.7, 1/2.8) |
| Mount Type | CS |
| Focal Length | 2.8 ~ 8mm |
| Aperture Range | F/1.2 ~ Close |
| Field of View | Wide 100.1°(H) x 72.9°(V) Tele 35.8°(H) x 26.8°(V) |
| M.O.D. | 0.3m |
| Iris Control | P-Iris |
| Dimension | Ø43.2 x 55.78mm |
| Flange Back Length | 12.5mm |
| Weight | 68g |
| Operating Temerature | -20°C ~ 60°C |



DOME CAMERAS

| | MFZ, 2MP | | | | |
|--------------------------|--|--|--|--|--|
| Model Name | DC-D6233HRX | DC-D6233HRXL | DC-D6243HRX | DC-D6233RX | |
| Image Sensor | 1/3" CMOS | 1/1.9" CMOS | 1/3" CMOS | 1/3" CMOS | 1/3" CMOS |
| Max. Resolution | 1920 x 1080 |
| Lens Type | Motorized Vari-focal |
| Focal Length | f = 2.8 - 12mm | f = 4.4 - 10mm | f = 7 - 22mm | f = 2.8 - 12mm | f = 2.8 - 12mm |
| Aperture | F1.6 - 2.7 | F1.2 - 1.95 | F1.4 - 2.8 | F1.6 - 2.7 | F1.6 - 2.7 |
| Iris Control | P-Iris | P-Iris | P-Iris | P-Iris | P-Iris |
| Angular Field of View | Wide : 98° (H), 52° (V), 116° (D) Tele : 33° (H), 18.5° (V), 37.9° (D) | Wide : 91.5° (H), 48.4° (V), 109° (D) Tele : 43.4° (H), 24.2° (V), 49.9° (D) | Wide : 40°(H), 22°(V), 47°(D) Tele : 16°(H), 9°(V), 18°(D) | Wide : 98° (H), 52° (V), 116° (D) Tele : 33° (H), 18.5° (V), 37.9° (D) | Wide : 98° (H), 52° (V), 116° (D) Tele : 33° (H), 18.5° (V), 37.9° (D) |
| Pan / Tilt Range | Pan : -176° ~ 176° Tilt : 0° ~ 66° Rotate : -90° ~ 90° | Pan : -176° ~ 176° Tilt : 0° ~ 66° Rotate : -90° ~ 90° | Pan : -176° ~ 176° Tilt : 0° ~ 66° Rotate : -90° ~ 90° | Pan : -176° ~ 176° Tilt : 0° ~ 66° Rotate : -90° ~ 90° | Pan : -176° ~ 176° Tilt : 0° ~ 66° Rotate : -90° ~ 90° |
| Min. Illumination | Color : 0.1 Lux @ F1.6 B/W : 0 Lux (IR LED On) | Color : 0.01 Lux @ F1.2 B/W : 0 Lux (IR LED On) | Color : 0.1 Lux @ F1.4 B/W : 0 Lux (IR LED On) | Color : 0.1 Lux @ F1.6 B/W : 0 Lux (IR LED On) | Color : 0.1 Lux @ F1.6 B/W : 0 Lux (IR LED On) |
| Dynamic Range | 120dB (True WDR) |
| Day and Night | IR Cut Filter with Auto Switch |
| IR Distance (LEDs) | 30m / 98.4ft (6ea) | 20m / 65.6ft (6ea) |
| Image Stabilizer | - | - | - | - | - |
| De-fog | Yes | Yes | Yes | Yes | Yes |
| Video Out | 1 BNC (Accessory) |
| Video Compression | H.265, H.264 (MP), M-JPEG |
| Intelligent Codec | Supported | Supported | Supported | Supported | Supported |
| Audio Compression | ADPCM 16K, G.726, G.711 u-Law, G.711 a-Law |
| Max. Frame Rate | 60ips : 1920 x 1080 30ips : 1920 x 1080 (WDR) | 60ips : 1920 x 1080 30ips : 1920 x 1080 (WDR) | 60ips : 1920 x 1080 30ips : 1920 x 1080 (WDR) | 60ips : 1920 x 1080 30ips : 1920 x 1080 (WDR) | 60ips : 1920 x 1080 30ips : 1920 x 1080 (WDR) |
| Ethernet | RJ45 (10/100 BASE-T) | RJ45 (10/100/1000 BASE-T) | RJ45 (10/100 BASE-T) | RJ45 (10/100 BASE-T) | RJ45 (10/100 BASE-T) |
| Recording Session Buffer | Yes (Up to 60MB) |
| Edge Storage | micro SD / SDHC / SDXC, Smart Failover (Up to 256GB) | micro SD / SDHC / SDXC, Smart Failover (Up to 256GB) | micro SD / SDHC / SDXC, Smart Failover (Up to 256GB) | micro SD / SDHC / SDXC, Smart Failover (Up to 256GB) | micro SD / SDHC / SDXC, Smart Failover (Up to 256GB) |
| Trigger Event | Motion Detection Alarm in Audio Detection Tampering Trip Zone Line Cross Loitering Object Detection |
| Audio In / Out | Line-in 1ea / Line-out 1ea |
| Alarm In / Out | Input 1ea / Output 1ea |
| Vandal Resistance | IK10 | IK10 | IK10 | IK10 | - |
| Outdoor Ready | IP67, Heater | IP67, Heater | IP67, Heater | IP67, Heater | - |
| Operating Temperature | -40°C ~ +60°C (+40°F ~ +140°F) *Starting Up at Above -20°C (-4°F) | -40°C ~ +60°C (-40°F ~ +140°F) *Starting Up at Above -20°C (-4°F) | -40°C ~ +60°C (+40°F ~ +140°F) *Starting Up at Above -20°C (-4°F) | -40°C ~ +60°C (+40°F ~ +140°F) *Starting Up at Above -20°C (-4°F) | -10°C ~ +50°C (+14°F ~ +122°F) *Starting Up at Above 0°C (32°F) |
| Dimensions (W x H x D) | Ø160mm x 116.5mm (Ø6.30" x 4.59") | Ø160mm x 128.5mm (Ø6.30" x 5.06") | Ø160mm x 128.5mm (Ø6.30" x 5.06") | Ø160mm x 128.5mm (Ø6.30" x 5.06") | Ø140mm x 108mm (Ø5.5" x 4.25") |
| Weight | 1.21kg (2.66lb) | 1.21kg (2.66lb) | 1.21kg (2.66lb) | 1.21kg (2.66lb) | 0.49kg (1.08lb) |
| Power Source | 12VDC, PoE IEEE 802.3af (Class 3) |
| Power Consumption | 12V=, 0.82A, 9.84W PoE, IEEE 802.3af (Class 3) | 12V=, 0.97A, 11.6W PoE, IEEE 802.3af (Class 3) | 12V=, 0.82A, 9.84W PoE, IEEE 802.3af (Class 3) | 12V=, 0.82A, 9.84W PoE, IEEE 802.3af (Class 3) | 12V=, 0.61A, 7.32W PoE, IEEE 802.3af (Class 3) |

DOME CAMERAS

| Model Name | MFZ, 5MP | | MFZ, 2MP |
|--------------------------|---|---|---|
| | DC-D3533RX | DC-D3533HRX | DC-D3233HRXL |
| Image Sensor | 1/1.8" CMOS | 1/1.8" CMOS | 1/1.9" CMOS |
| Max. Resolution | 2592 x 1944 | 2592 x 1944 | 1920 x 1080 |
| Lens Type | Motorized Vari-focal | Motorized Vari-focal | Motorized Vari-focal |
| Focal Length | f = 3.6 - 10mm | f = 3.6 - 10mm | f = 4.4 - 10mm |
| Aperture | F1.8 - 2.8 | F1.8 - 2.8 | F1.2 - 1.95 |
| Iris Control | P-Iris | P-Iris | P-Iris |
| Angular Field of View | Wide : 90° (H), 67° (V), 116° (D) Tele : 37° (H), 27° (V), 46° (D) | Wide : 90° (H), 67° (V), 116° (D) Tele : 37° (H), 27° (V), 46° (D) | Wide : 91.5° (H), 48.4° (V), 109° (D) Tele : 43.4° (H), 24.2° (V), 49.9° (D) |
| Pan / Tilt Range | Pan : -176° ~ 176° Tilt : 0° ~ 65° Rotate : -90° ~ 90° | Pan : -176° ~ 176° Tilt : 0° ~ 65° Rotate : -90° ~ 90° | Pan : -176° ~ 176° Tilt : 0° ~ 66° Rotate : -90° ~ 90° |
| Min. Illumination | Color : 0.2 Lux @ F1.8 B/W : 0 Lux (IR LED On) | Color : 0.2 Lux @ F1.8 B/W : 0 Lux (IR LED On) | Color : 0.01 Lux @ F1.2 B/W : 0 Lux (IR LED On) |
| Dynamic Range | 120dB (True WDR) | 120dB (True WDR) | 120dB (True WDR) |
| Day and Night | IR Cut Filter with Auto Switch | IR Cut Filter with Auto Switch | IR Cut Filter with Auto Switch |
| IR Distance (LEDs) | 30m / 98.4ft (6ea) | 30m / 98.4ft (6ea) | 30m / 98.4ft (6ea) |
| Image Stabilizer | - | - | - |
| De-fog | Yes | Yes | Yes |
| Video Out | 1 BNC (Accessory) | 1 BNC (Accessory) | 1 BNC (Accessory) |
| Video Compression | H.265, H.264 (MP), M-JPEG | H.265, H.264 (MP), M-JPEG | H.265, H.264 (MP), M-JPEG |
| Intelligent Codec | Supported | Supported | Supported |
| Audio Compression | ADPCM 16K, G.726, G.711 u-Law, G.711 a-Law | ADPCM 16K, G.726, G.711 u-Law, G.711 a-Law | ADPCM 16K, G.726, G.711 u-Law, G.711 a-Law |
| Max. Frame Rate | 30ips : 2592 x 1944 15ips : 2592 x 1944 (WDR) | 30ips : 2592 x 1944 15ips : 2592 x 1944 (WDR) | 60ips : 1920 x 1080 30ips : 1920 x 1080 (WDR) |
| Ethernet | RJ45 (10/100/1000 BASE-T) | RJ45 (10/100/1000 BASE-T) | RJ45 (10/100/1000 BASE-T) |
| Recording Session Buffer | Yes (Up to 60MB) | Yes (Up to 60MB) | Yes (Up to 60MB) |
| Edge Storage | micro SD / SDHC / SDXC, Smart Failover (Up to 256GB) | micro SD / SDHC / SDXC, Smart Failover (Up to 256GB) | micro SD / SDHC / SDXC, Smart Failover (Up to 256GB) |
| Trigger Event | Motion Detection Audio Detection Alarm In Tampering Trip Zone | Motion Detection Audio Detection Alarm In Tampering Trip Zone | Motion Detection Audio Detection Alarm In Tampering Trip Zone |
| Audio In / Out | Line-in 1ea / Line-out 1ea | Line-in 1ea / Line-out 1ea | Line-in 1ea / Line-out 1ea |
| Alarm In / Out | Input 1ea / Output 1ea | Input 1ea / Output 1ea | Input 1ea / Output 1ea |
| Vandal Resistance | - | IK10 | IK10 |
| Outdoor Ready | - | IP67, Heater | IP67, Heater |
| Operating Temperature | -10°C ~ +50°C (+14°F ~ +122°F) *Starting Up at Above 0°C (32°F) | -40°C ~ +60°C (-40°F ~ +140°F) *Starting Up at Above -20°C (-4°F) | -40°C ~ +60°C (-40°F ~ +140°F) *Starting Up at Above -20°C (-4°F) |
| Dimensions (W x H x D) | Ø160mm x 116.5mm (Ø6.30" x 4.59") | Ø160mm x 128.5mm (Ø6.30" x 5.06") | Ø160mm x 128.5mm (Ø6.30" x 5.06") |
| Weight | 1.21kg (2.66lb) | 1.21kg (2.66lb) | 1.21kg (2.66lb) |
| Power Source | 12VDC, PoE IEEE 802.3af (Class 3) | 12VDC, PoE IEEE 802.3af (Class 3) | 12VDC, PoE IEEE 802.3af (Class 3) |
| Power Consumption | 12V =, 0.85A, 10.2W PoE, IEEE 802.3af (Class 3) | 12V =, 0.95A, 11.4W PoE, IEEE 802.3af (Class 3) | 12V =, 0.97A, 11.6W PoE, IEEE 802.3af (Class 3) |



EDGE VA - The new models include analytics functionality such as line cross, loitering and object detection, as well as other feature sets including audio detection.



DOME CAMERAS

| Model Name | 8MP | |
|------------------------------------|---|---|
| | DC-D4831HRX (-A) | DC-D4811WRX (-A) |
| Image Sensor | 1/2.8" CMOS | 1/2.8" CMOS |
| Max. Resolution | 3840 x 2160 | 3840 x 2160 |
| Lens Type | Motorized Vari-focal | Fixed-focal |
| Focal Length | f=2.7-13.5mm | f=3.3mm |
| Aperture | F1.8 - 3.32 | F2.0(3.3mm) |
| Iris Control | DC IRIS | Fixed Iris |
| Angular Field of View | Wide : 110.6°(H) 57.3°(V) 134.1°(D) Tele : 32.6°(H) 18.3°(V) 37.4°(D) | 101.3° (H) 54.5°(V) 119.7°(D) (f=3.3mm) |
| Pan / Tilt Range | Pan: -175° ~ 175° Tilt: 0° ~ 64° Rotate: -177° ~ 177° | Pan: -170° ~ 170° Tilt: -5° ~ 67.5° Rotate: -109° ~ 109° |
| Min. Illumination | Color : 0.2 Lux @ F1.8 B/W : 0 Lux (IR LED On) | COLOR : 0.2 Lux @ F2.0 B/W : 0 Lux (IR LED On) |
| Dynamic Range | 120dB (True WDR) | 120dB (True WDR) |
| Day and Night | IR Cut Filter with Auto Switch | IR Cut Filter with Auto Switch |
| IR Distance (LEDs) | 40m / 131.2ft (6ea) | 20m / 65.6ft |
| Image Stabilizer | - | - |
| De-fog | No | No |
| Video Out | - | - |
| Video Compression | H.265, H.264 (MP) M-JPEG | H.265, H.264 (MP) M-JPEG |
| Intelligent Codec | Supported | Supported |
| Audio Compression * | ADPCM 16K, G.726, G.711 u-Law, G.711 a-Law | ADPCM 16K, G.726, G.711 u-Law, G.711 a-Law |
| Max. Frame Rate | 30ips : 3840 x 2160 15ips : 3840 x 2160 (WDR) | 30ips : 3840 x 2160 15ips : 3840 x 2160(WDR) |
| Ethernet | RJ45 (10/100BASE-T) | RJ45 (10/100BASE-T) |
| Recording Session Buffer (NLTsrec) | Yes (Up to 60MB) | Yes (Up to 60MB) |
| Edge Storage | micro SD/SDHC/SDXC, Smart Failover (Up to 256GB) | micro SD/SDHC/SDXC, Smart Failover (Up to 256GB) |
| Trigger Event * | Motion Detection Alarm in Audio detection * Tampering Trip Zone | Motion Detection Alarm in Audio detection * Tampering Trip Zone |
| Audio In / Out * | Line-in 1ea / Line-out 1ea | Line-in 1ea / Line-out 1ea |
| Alarm In / Out | Input 1ea / Output 1ea | Input 1ea / Output 1ea |
| Vandal Proof Casing | IK10 | IK10 |
| Outdoor Ready | IP67, Heater | IP67 |
| Operating Temperature | -40°C ~ +55°C (-40°F ~ +131°F) *Starting up at above -20°C (-4°F) | -20°C ~ +55°C (22°F ~ +131°F) *Starting up at above 0°C (32°F) |
| Dimensions (W x H x D) | Ø155 x 104.4mm (Ø6.10" x 4.09") | Ø120.6 x 92.9mm (Ø4.72" x 3.66") |
| Weight | 1.02 kg (2.25lb) | 0.48kg (1.06lb) |
| Power Source | PoE (IEEE 802.3af Class 3), DC12V | PoE (IEEE 802.3af Class 3) |
| Power Consumption | 12W, 1.2A, 14.4W PoE, IEEE 802.3af Class 3), 12.4W | 12W, 1.2A, 14.4W PoE, IEEE 802.3af Class 3), 12.4W |

* : -A Model does not have Audio In/Out function.

IDIS and NDAA Compliance

(The National Defense Authorization Act)

NDAA Summary

The John S. McCain National Defense Authorization Act (NDAA) for Fiscal Year 2019 was signed into law on August 13, 2018 and effective from August 2020. The law, specifically Section 889, prohibits federal agencies, their contractors and grant or loan recipients from procuring or using "telecommunications and video surveillance equipment or services" from specific Chinese companies as a "substantial or essential component of any system, or as critical technology as part of any system." The NDAA ban includes telecommunications equipment produced by Huawei Technologies Company or ZTE Corporation, as well as video surveillance and telecommunications equipment produced by Hytera Communications Corporation, Hangzhou Hikvision Digital Technology Company, or Dahua Technology Company.

IDIS Equipment

IDIS provides NDAA compliant products, which includes solutions marketed to the US federal government, Department of Defense (DoD), and associated contractors. The following IDIS cameras and network video recorders (NVRs) do not use or deploy critical components or System-on-a-Chip (SOC) circuits produced by NDAA banned component vendors, making them compliant with the NDAA.

DOME CAMERAS

| Model Name | MFZ, 2MP | | |
|--------------------------|---|---|---|
| | DC-D4236HRX (-A) | DC-D4236WRX (-A) | DC-D4236RX (-A) |
| Image Sensor | 1/2.8" CMOS | 1/2.8" CMOS | 1/2.8" CMOS |
| Max. Resolution | 1920 x 1080 | 1920 x 1080 | 1920 x 1080 |
| Lens Type | Motorized Vari-focal | Motorized Vari-focal | Motorized Vari-focal |
| Focal Length | f=2.8-12mm | f=2.8-12mm | f=2.8-12mm |
| Aperture | F1.4(W)-F2.8(T) | F1.4(W)-F2.8(T) | F1.4(W)-F2.8(T) |
| Iris Control | DC IRIS | DC IRIS | DC IRIS |
| Angular Field of View | Wide : 98°(H), 51°(V), 116°(D) Tele : 33°(H), 19°(V), 38°(D) | Wide : 98°(H), 51°(V), 116°(D) Tele : 33°(H), 19°(V), 38°(D) | Wide : 98°(H), 51°(V), 116°(D) Tele : 33°(H), 19°(V), 38°(D) |
| Pan / Tilt Range | Pan: -175° ~ 175° Tilt: 0° ~ 67° Rotate: -177° ~ 177° | Pan: -175° ~ 175° Tilt: 0° ~ 67° Rotate: -177° ~ 177° | Pan: -175° ~ 175° Tilt: 0° ~ 67° Rotate: -177° ~ 177° |
| Min. Illumination | Color : 0.1 Lux @ F1.4 B/W : 0 Lux (IR LED On) | Color : 0.1 Lux @ F1.4 B/W : 0 Lux (IR LED On) | Color : 0.1 Lux @ F1.4 B/W : 0 Lux @ F1.4 |
| Dynamic Range | 120dB (True WDR) | 120dB (True WDR) | 120dB (True WDR) |
| Day and Night | IR Cut Filter with Auto Switch | IR Cut Filter with Auto Switch | IR Cut Filter with Auto Switch |
| IR Distance (LEDs) | 30m / 98.4ft (6ea) | 30m / 98.4ft (6ea) | 30 m / 98.4 ft (6ea) |
| Image Stabilizer | - | - | - |
| De-fog | - | - | - |
| Video Out | - | - | 1-CVBS |
| Video Compression | H.265, H.264 (MP) M-JPEG | H.265, H.264 (MP) M-JPEG | H.265, H.264 (MP) M-JPEG |
| Intelligent Codec | Supported | Supported | Supported |
| Audio Compression * | ADPCM 16K, G.726, G.711 u-Law, G.711 a-Law | ADPCM 16K, G.726, G.711 u-Law, G.711 a-Law | ADPCM 16K, G.726, G.711 u-Law, G.711 a-Law |
| Max. Frame Rate | 30ips : 1920 x 1080(WDR) | 30ips : 1920 x 1080(WDR) | 30ips : 1920 x 1080(WDR) |
| Ethernet | RJ45 (10/100BASE-T) | RJ45 (10/100BASE-T) | RJ45 (10/100BASE-T) |
| Recording Session Buffer | Yes (Up to 60MB) | Yes (Up to 60MB) | Yes (Up to 60MB) |
| Edge Storage | micro SD / SDHC / SDXC, Smart Failover (Up to 256GB) | micro SD / SDHC / SDXC, Smart Failover (Up to 256GB) | micro SD / SDHC / SDXC, Smart Failover (Up to 256GB) |
| Trigger Event * | Motion Detection Alarm in Audio detection * Tampering Trip Zone | Motion Detection Alarm in Audio detection * Tampering Trip Zone | Motion Detection Alarm in Audio detection * Tampering Trip Zone |
| Audio In / Out * | Line-in 1ea / Line-out 1ea | Line-in 1ea / Line-out 1ea | Line-in 1ea / Line-out 1ea |
| Alarm In / Out | Input 1ea / Output 1ea | Input 1ea / Output 1ea | Input 1ea / Output 1ea |
| Vandal Resistance | IK10 | IK10 | - |
| Outdoor Ready | IP67, Heater | IP67 | - |
| Operating Temperature | -40°C ~ +55°C (-40°F ~ +131°F) *Starting Up at Above -20°C (-4°F) | -20°C ~ +55°C (-4°F ~ +131°F) *Starting up at above 0°C (32°F) | -10°C ~ +50°C (+14°F ~ +122°F) *Starting up at above 0°C (32°F) |
| Dimensions (W x H x D) | Ø155 x 105mm (Ø6.1" x 4.13") | Ø155 x 105mm (Ø6.1" x 4.13") | Ø122 x 103.4mm (Ø4.8" x 4.05") |
| Weight | 0.99 kg (2.18lb) | 0.99 kg (2.18lb) | 0.37kg(0.81lb) |
| Power Source | 12VDC, PoE IEEE 802.3af (Class 3) | 12VDC, PoE IEEE 802.3af (Class 3) | 12VDC, PoE IEEE 802.3af (Class 3) |
| Power Consumption | 12V=, 0.95A, 11.4W PoE, IEEE 802.3af (Class 3), 10.3W | 12V=, 0.64A, 7.7W PoE, IEEE 802.3af (Class 3), 7.8W | 12V=, 0.38A, 4.6W PoE, IEEE 802.3af (Class 2), 4.7W |

* : -A Model does not have Audio In/Out function.

DOME CAMERAS

| | MFZ, 2MP | | | | |
|--------------------------|---|---|---|---|---|
| Model Name | DC-D4233HRX | DC-D4233WRX | DC-D4233RX | DC-D4223WRX | DC-D4223RX |
| Image Sensor | 1/2.8" CMOS |
| Max. Resolution | 1920 x 1080 |
| Lens Type | Motorized Vari-focal | Motorized Vari-focal | Motorized Vari-focal | Motorized Vari-focal | Manual Vari-focal |
| Focal Length | f = 2.8 - 12mm | f = 2.8 - 12mm | f=2.8-12mm | f = 2.8 - 12mm | f = 2.8 - 12mm |
| Aperture | F 1.4(W) - F2.8(T) | F 1.4(W) - F2.8(T) | F1.4(W)-F2.8(T) | F 1.4(W) - F2.8(T) | F1.4(W) - F2.8(T) |
| Iris Control | DC Iris |
| Angular Field of View | Wide : 98°(H), 51°(V), 116°(D) Tele : 33°(H), 19°(V), 38°(D) | Wide : 98°(H), 51°(V), 116°(D) Tele : 33°(H), 19°(V), 38°(D) | Wide : 98°(H), 51°(V), 116°(D) Tele : 33°(H), 19°(V), 38°(D) | Wide : 98°(H), 51°(V), 116°(D) Tele : 33°(H), 19°(V), 38°(D) | Wide : 98°(H), 51°(V), 116°(D) Tele : 33°(H), 19°(V), 38°(D) |
| Pan / Tilt Range | Pan: -175° ~ 175°, Tilt: 0° ~ 67°, Rotate: -177° ~ 177° | Pan: -175° ~ 175°, Tilt: 0° ~ 67°, Rotate: -177° ~ 177° | Pan: -175° ~ 175°, Tilt: 0° ~ 67°, Rotate: -177° ~ 177° | Pan: -175° ~ 175°, Tilt: 0° ~ 67°, Rotate: -177° ~ 177° | Pan: -175° ~ 175° Tilt: 0° ~ 67° Rotate: -177° ~ 177° |
| Min. Illumination | Color : 0.1 Lux @ F1.4 B/W : 0 Lux (IR LED On) | Color : 0.1 Lux @ F1.4 B/W : 0 Lux (IR LED On) | Color : 0.1 Lux @ F1.4 B/W : 0 Lux (IR LED On) | Color : 0.1 Lux @ F1.4 B/W : 0 Lux (IR LED On) | Color : 0.1 Lux @ F1.4 B/W : 0 Lux (IR LED On) |
| Dynamic Range | 120dB | 120dB | 120dB (True WDR) | 120dB (True WDR) | 120dB (True WDR) |
| Day and Night | IR Cut Filter with Auto Switch |
| IR Distance (LEDs) | 30m / 98.4ft (6ea) |
| Image Stabilizer | - | - | - | - | - |
| De-fog | Yes | Yes | Yes | Yes | Yes |
| Video Out | - | - | 1 BNC (Accessory) | - | - |
| Video Compression | H.265, H.264 (MP) M-JPEG | H.265, H.264 (MP) M-JPEG | H.265, H.264 (MP), M-JPEG | H.265, H.264 (MP) M-JPEG | H.265, H.264 (MP) M-JPEG |
| Intelligent Codec | Supported | Supported | Supported | Supported | Supported |
| Audio Compression | ADPCM 16K, G.726, G.711 u-Law, G.711 a-Law |
| Max. Frame Rate | 30ips : 1920 x 1080 (WDR) |
| Ethernet | RJ45 (10/100BASE-T) | RJ45 (10/100BASE-T) | RJ45 (10/100 BASE-T) | RJ45 (10/100BASE-T) | RJ45 (10/100BASE-T) |
| Recording Session Buffer | Yes (Up to 60MB) |
| Edge Storage | micro SD / SDHC / SDXC, Smart Failover (Up to 256GB) | micro SD / SDHC / SDXC, Smart Failover (Up to 256GB) | micro SD / SDHC / SDXC, Smart Failover (Up to 256GB) | micro SD / SDHC / SDXC, Smart Failover (Up to 256GB) | micro SD / SDHC / SDXC, Smart Failover (Up to 256GB) |
| Trigger Event | Motion Detection Alarm In Audio Detection Tampering Trip Zone |
| Audio In / Out | Line-in 1ea / Line-out 1ea | Line-in 1ea (Built In MIC) + 1 / Line-out 1ea |
| Alarm In / Out | Input 1ea / Output 1ea |
| Vandal Resistance | IK10 | IK10 | - | IK10 | - |
| Outdoor Ready | IP67, Heater | IP67 | - | IP67 | - |
| Operating Temperature | -40°C ~ +55°C (-40°F ~ +131°F) *Starting Up at Above -20°C (-4°F) | -20°C ~ +55°C (-4°F ~ +131°F) *Starting Up at Above 0°C (32°F) | -10°C ~ +50°C (+14°F ~ +122°F) *Starting Up at Above 0°C (32°F) | -20°C ~ +55°C (-4°F ~ +131°F) *Starting Up at Above 0°C (32°F) | -10°C ~ +50°C (+14°F ~ +122°F) *Starting Up at Above 0°C (32°F) |
| Dimensions (W x H x D) | Ø155 x 105mm (Ø6.1" x 4.13") | Ø155 x 105mm (Ø6.1" x 4.13") | Ø122 x 103.4mm (Ø4.8" x 4.07") | Ø155 x 105mm (Ø6.1" x 4.13") | Ø122 x 103.4mm (Ø4.8" x 4.07") |
| Weight | 1.01 kg (2.22lb) | 1kg (2.20lb) | 0.37kg (0.80lb) | 0.99kg (2.18lb) | 0.35kg (0.77lb) |
| Power Source | PoE (IEEE 802.3af Class 3), DC12V | 12VDC, PoE IEEE 802.3af (Class 3) |
| Power Consumption | 12V=, 1.05A, 12.6W PoE, IEEE 802.3af (Class 3), 11.5W | 12V=, 1.05A, 12.6W PoE, IEEE 802.3af (Class 3), 11.5W | 12V=, 1.05A, 12.6W PoE, IEEE 802.3af (Class 3), 11.5W | 12V=, 0.57A, 6.84W PoE, IEEE 802.3af (Class 3), 7W | 12V=, 0.57A, 6.84W PoE, IEEE 802.3af (Class 3), 7W |

DOME CAMERAS

| Model Name | FIXED, 2MP | | | | |
|------------------------------------|---|---|---|---|--|
| | DC-D4216WRX (-A) | DC-D4216RX (-A) | DC-D4213WRX (2.8mm / 4.0mm) | DC-D4213RX (2.8mm / 4.0mm) | DC-D4217RX (2.8mm / 4.0mm) |
| Image Sensor | 1/2.8" CMOS | 1/2.8" CMOS | 1/2.8" CMOS | 1/2.8" CMOS | 1/2.8" CMOS |
| Max. Resolution | 1920 x 1080 | 1920 x 1080 | 1920 x 1080 | 1920 x 1080 | 1920 x 1080 |
| Lens Type | Fixed-focal | Fixed-focal | Fixed-focal | Fixed-focal | Fixed-focal |
| Focal Length | f=2.8mm | f=2.8mm | f = 2.8mm / 4.0mm | f = 2.8mm / 4.0mm | f=2.8mm / 4.0mm |
| Aperture | F2.0 (f=2.8mm) | F2.0 (f=2.8mm) | F2.0 (f=2.8mm) / F2.15 (f=4.0mm) | F2.0 (f=2.8mm) / F2.15 (f=4.0mm) | F2.0 (2.8mm) / F1.6 (4.0mm) |
| Iris Control | Fixed Iris | Fixed Iris | Fixed Iris | Fixed Iris | Fixed Iris |
| Angular Field of View | 111.6°(H), 61.45°(V), 127.3°(D) | 111.6°(H), 61.45°(V), 127.3°(D) | 113.7°(H), 61.5°(V), 134.5°(D) (f=2.8mm) 87°(H), 44°(V), 106°(D) (f=4.0mm) | 113.7°(H), 61.5°(V), 134.5°(D) (f=2.8mm) 87°(H), 44°(V), 106°(D) (f=4.0mm) | 111.6°(H), 61.45°(V), 127.3°(D) (f=2.8mm) 87.4°(H), 46.9°(V), 103.5°(D) (f=4.0mm) |
| Pan / Tilt Range | Pan: -170° ~ 170° Tilt: -5° ~ 67.5° Rotate: -109° ~ 109° | Pan: -170° ~ 170° Tilt: -5° ~ 67.5° Rotate: -109° ~ 109° | Pan: -170° ~ 170°, Tilt: -5° ~ 67.5°, Rotate: -109° ~ 109° | Pan: -170° ~ 170° Tilt: -5° ~ 67.5° Rotate: -109° ~ 109° | Pan: -170° ~ 170° Tilt: -5° ~ 67.5° Rotate: -109° ~ 109° |
| Min. Illumination | Color : 0.1 Lux @ F2.0 B/W : 0 Lux (IR LED On) | Color : 0.1 Lux @ F2.0 B/W : 0 Lux (IR LED On) | Color : 0.2 Lux @ F2.0 B/W : 0 Lux (IR LED On) | Color : 0.2 Lux @ F2.0 B/W : 0 Lux (IR LED On) | Color : 0.1 Lux @ F2.0 B/W : 0 Lux (IR LED On)(2.8mm) Color : 0.07 Lux @ F1.6 B/W : 0 Lux (IR LED On) (4.0mm) |
| Dynamic Range | 120dB (True WDR) | 120dB (True WDR) | 120dB (True WDR) | 120dB (True WDR) | More than 70dB |
| Day and Night | IR Cut Filter with Auto Switch | IR Cut Filter with Auto Switch | IR Cut Filter with Auto Switch | IR Cut Filter with Auto Switch | IR Cut Filter with Auto Switch |
| IR Distance (LEDs) | 30m / 98.4 ft (4ea) | 30m / 98.4 ft (4ea) | 30m / 98.4ft (4ea) (f=2.8mm) 30m / 98.4ft (4ea) (f=4.0mm) | 30m/98.4 ft (4ea) (f=2.8mm) 20m/65.6 ft (2ea) (f=4.0mm) | 20m / 65.6 ft (4 ea) (f=2.8mm) 20m / 65.6 ft (2 ea) (f=4.0mm) |
| Image Stabilizer | - | - | - | - | - |
| De-fog | - | - | Yes | Yes | - |
| Video Out | - | - | - | - | - |
| Video Compression | H.265, H.264 (MP), M-JPEG | H.265, H.264 (MP), M-JPEG | H.265, H.264 (MP) M-JPEG | H.265, H.264 (MP) M-JPEG | H.265, H.264 (MP) M-JPEG |
| Intelligent Codec | Supported | Supported | Supported | Supported | Supported |
| Audio Compression * | ADPCM 16K, G.726, G.711 u-Law, G.711 a-Law | ADPCM 16K, G.726, G.711 u-Law, G.711 a-Law | ADPCM 16K, G.726, G.711 u-Law, G.711 a-Law | ADPCM 16K, G.726, G.711 u-Law, G.711 a-Law | - |
| Max. Frame Rate | 30ips : 1920 x 1080 (WDR) | 30ips : 1920 x 1080 (WDR) | 30ips : 1920 x 1080 (WDR) | 30ips : 1920 x 1080 (WDR) | 30ips : 1920 x 1080 |
| Ethernet | RJ45 (10/100BASE-T) | RJ45 (10/100BASE-T) | RJ45 (10/100BASE-T) | RJ45 (10/100BASE-T) | RJ45 (10/100BASE-T) |
| Recording Session Buffer (NLTSrec) | Yes (Up to 60MB) | Yes (Up to 60MB) | Yes (Up to 60MB) | Yes (Up to 60MB) | Yes (Up to 60MB) |
| Edge Storage | micro SD / SDHC / SDXC, Smart Failover (Up to 256GB) | micro SD / SDHC / SDXC, Smart Failover (Up to 256GB) | micro SD / SDHC / SDXC, Smart Failover (Up to 256GB) | micro SD / SDHC / SDXC, Smart Failover (Up to 256GB) | - |
| Trigger Event * | Motion Detection Alarm in Audio detection * Tampering Trip Zone | Motion Detection Alarm in Audio detection * Tampering Trip Zone | Motion Detection Alarm in Audio detection Tampering Trip Zone | Motion Detection Alarm in Audio detection Tampering Trip Zone | Motion Detection Tampering Trip Zone |
| Audio In / Out * | Line-in 1ea / Line-out 1ea | Line-in 1ea (Built In MIC) + 1 / Line-out 1ea | Line-in 1ea / Line-out 1ea | Line-in 1ea (Built In MIC) + 1 / Line-out 1ea | - |
| Alarm In / Out | Input 1ea / Output 1ea | Input 1ea / Output 1ea | Input 1ea / Output 1ea | Input 1ea / Output 1ea | - |
| Vandal Resistance | IK10 | - | IK10 | - | - |
| Outdoor Ready | IP67 | - | IP67 | - | - |
| Operating Temperature | -20°C ~ +55°C (-4°F ~ +131°F) *Starting up at above 0°C (32°F) | -10°C ~ +50°C (+14°F ~ +122°F) *Starting up at above 0°C (32°F) | -20°C ~ +55°C (-4°F ~ +131°F) *Starting Up at Above 0°C (32°F) | -10°C ~ +50°C (+14°F ~ +122°F) *Starting up at above 0°C (32°F) | -10°C ~ +50°C (+14°F ~ +122°F) *Starting up at above 0°C (32°F) |
| Dimensions (W x H x D) | Ø120 x 92.9mm (Ø4.72" x 3.65") | Ø110 x 88mm (Ø4.33" x 3.46") | Ø120 x 92.9mm (Ø4.72" x 3.65") | Ø110 x 88mm (Ø4.33" x 3.46") | Ø130 x 81.4mm (5.2"x 3.2") |
| Weight | 0.465kg (1.02lb) | 0.26kg (0.57lb) | 0.465kg (1.02lb) | 0.26kg (0.57lb) | 0.242Kg(0.53lb) |
| Power Source | PoE IEEE 802.3af (Class 2) | PoE IEEE 802.3af (Class 2) | PoE IEEE 802.3af (Class 2) | PoE IEEE 802.3af (Class 2) | PoE |
| Power Consumption | PoE, IEEE 802.3af (Class 2), 4.6W | PoE, IEEE 802.3af (Class 2), 4.6W | PoE, IEEE 802.3af (Class 2), 4.8W | PoE, IEEE 802.3af (Class 2), 4.8W | PoE, IEEE 802.3af (Class 2), 3.8W |

* : -A Model does not have Audio In/Out function.

BULLET CAMERAS

| | MFZ, 2MP | | | | |
|------------------------------------|--|--|--|--|--|
| Model Name | DC-T6233HRX | DC-T6233HRXL | DC-T6243HRX | DC-T6234HRX | |
| Image Sensor | 1/3" CMOS | 1/1.9" CMOS | 1/3" CMOS | 1/3" CMOS | |
| Max. Resolution | 1920 x 1080 | 1920 x 1080 | 1920 x 1080 | 1920 x 1080 | |
| Lens Type | Motorized Vari-focal | Motorized Vari-focal | Motorized Vari-focal | Motorized Vari-focal | |
| Focal Length | f = 3.3 - 10mm | f = 4.4 - 10mm | f = 9 - 22mm | f = 9 - 22mm | |
| Aperture | F1.3 - 2.5 | F1.2 - 1.95 | F1.5 - 2.8 | F1.5 - 2.8 | |
| Iris Control | P-Iris | P-Iris | P-Iris | P-Iris | |
| Angular Field of View | Wide : 94.0° (H), 50.0° (V), 110.0° (D) Tele : 31.8° (H), 18.0° (V), 36.6° (D) | Wide : 91.5° (H), 48.4° (V), 109° (D) Tele : 43.4° (H), 24.2° (V), 49.9° (D) | Wide : 33.8° (H), 18.8° (V), 39.2° (D) Tele : 14.2° (H), 8° (V), 16.2° (D) | Wide : 94.0° (H), 50.0° (V), 110.0° (D) Tele : 31.8° (H), 18.0° (V), 36.6° (D) | |
| Min. Illumination | Color : 0.1 Lux @ F1.3 B/W : 0 Lux (IR LED On) | Color : 0.01 Lux @ F1.2 B/W : 0 Lux (IR LED On) | Color : 0.3 Lux @ F1.5 B/W : 0 Lux (IR LED On) | Color : 0.1 Lux @ F1.3 B/W : 0 Lux (IR LED On) | |
| Dynamic Range | 120dB (True WDR) | 120dB (True WDR) | 120dB (True WDR) | 120dB (True WDR) | |
| Day and Night | IR Cut Filter with Auto Switch | |
| IR Distance (LEDs) | 30m / 98.4ft (10ea) | 30m / 98.4ft (10ea) | 30m / 98.4ft (10ea) | 30m / 98.4ft (24ea) / White LED (6ea) | |
| Image Stabilizer | - | - | - | - | |
| De-Fog | Yes | Yes | Yes | Yes | |
| Video Out | 1 BNC | 1 BNC | 1 BNC | 1 BNC | |
| Video Compression | H.264 (MP), M-JPEG, H.265 | H.264 (MP), M-JPEG, H.265 | H.264 (MP), M-JPEG, H.265 | H.265, H.264 (MP), M-JPEG | |
| Intelligent Codec | Supported | Supported | Supported | Supported | |
| Audio Compression | ADPCM 16K, G.726, G.711 u-Law, G.711 a-Law | |
| Max. Frame Rate | 60ips : 1920 x 1080 30ips : 1920 x 1080 (WDR) | 60ips : 1920 x 1080 30ips : 1920 x 1080 (WDR) | 60ips : 1920 x 1080 30ips : 1920 x 1080 (WDR) | 60ips : 1920 x 1080 30ips : 1920 x 1080 (WDR) | 60ips : 1920 x 1080 30ips : 1920 x 1080 (WDR) |
| Ethernet | RJ45 (10/100/1000 BASE-T) |
| Recording Session Buffer (NLTsrec) | Yes (Up to 60MB) |
| Edge Storage | micro SD / SDHC / SDXC, Smart Failover (Up to 256GB) | micro SD / SDHC / SDXC, Smart Failover (Up to 256GB) | micro SD / SDHC / SDXC, Smart Failover (Up to 256GB) | micro SD / SDHC / SDXC, Smart Failover (Up to 256GB) | micro SD / SDHC / SDXC, Smart Failover (Up to 256GB) |
| Trigger Event | Motion Detection Alarm in Audio Detection Tampering Trip Zone Line Cross Loitering Object Detection |
| Audio In / Out | Line-in 1ea / Line-out 1ea |
| Alarm In / Out | Input 1ea / Output 1ea |
| Vandal Proof Casing | IK10 | IK10 | IK10 | IK10 | - |
| Outdoor Ready | IP66, Heater |
| Operating Temperature | -40°C ~ +55°C (-40°F ~ +131°F) *Starting Up at Above -20°C (-4°F) | -40°C ~ +60°C (-40°F ~ +140°F) *Starting Up at Above -20°C (-4°F) | -40°C ~ +55°C (-40°F ~ +131°F) *Starting Up at Above -20°C (-4°F) | -40°C ~ +55°C (-40°F ~ +131°F) *Starting Up at Above -20°C (-4°F) | -40°C ~ +55°C (-40°F ~ +131°F) *Starting Up at Above -20°C (-4°F) |
| Dimensions (W x H x D) | Ø73.5mm x 308.5mm (Ø2.9" x 12.15") |
| Weight | 1.17kg (2.58lb) |
| Power Source | 12VDC, PoE IEEE 802.3af (Class 3) |
| Power Consumption | 12V=, 0.85A, 10.2W PoE, IEEE 802.3af (Class 3) | 12V=, 0.8A, 9.6W PoE, IEEE 802.3af (Class 3) | 12V=, 0.72A, 8.64W PoE, IEEE 802.3af (Class 3) | 12V=, 0.77A, 9.24W PoE, IEEE 802.3af (Class 3) | 12V=, 0.77A, 9.24W PoE, IEEE 802.3af (Class 3) |

BULLET CAMERAS

| | MFZ, 5MP DC-T3533HRX | MFZ, 2MP DC-T3233HRXL |
|------------------------------------|---|--|
| Model Name |  |  |
| Image Sensor | 1/1.8" CMOS | 1/1.9" CMOS |
| Max. Resolution | 2592 x 1944 | 1920 x 1080 |
| Lens Type | Motorized Vari-focal | Motorized Vari-focal |
| Focal Length | f = 3.6 - 10mm | f = 4.4 - 10mm |
| Aperture | F1.8 - 2.8 | F1.2 - 1.95 |
| Iris Control | P-Iris | P-Iris |
| Angular Field of View | Wide : 90° (H), 67° (V), 116° (D) Tele : 37° (H), 27° (V), 46° (D) | Wide : 91.5° (H), 48.4° (V), 109° (D) Tele : 43.4° (H), 24.2° (V), 49.9° (D) |
| Min. Illumination | Color : 0.2 Lux @ F1.8 B/W : 0 Lux (IR LED On) | Color : 0.01 Lux @ F1.2 B/W : 0 Lux (IR LED On) |
| Dynamic Range | 120dB (True WDR) | 120dB (True WDR) |
| Day and Night | IR Cut Filter with Auto Switch | IR Cut Filter with Auto Switch |
| IR Distance (LEDs) | 30m / 98.4ft (10ea) | 30m / 98.4ft (10ea) |
| Image Stabilizer | - | - |
| De-Fog | Yes | Yes |
| Video Out | 1 BNC | 1 BNC |
| Video Compression | H.265, H.264 (MP), M-JPEG | H.264 (MP), M-JPEG, H.265 |
| Intelligent Codec | Supported | Supported |
| Audio Compression | ADPCM 16K, G.726, G.711 u-Law, G.711 a-Law | ADPCM 16K, G.726, G.711 u-Law, G.711 a-Law |
| Max. Frame Rate | 30ips : 2592 x 1944 15ips : 2592 x 1944 (WDR) | 60ips : 1920 x 1080 30ips : 1920 x 1080 (WDR) |
| Ethernet | RJ45 (10/100/1000 BASE-T) | RJ45 (10/100/1000 BASE-T) |
| Recording Session Buffer (NLTSrec) | Yes (Up to 100MB) | Yes (Up to 60MB) |
| Edge Storage | micro SD / SDHC / SDXC, Smart Failover (Up to 256GB) | micro SD / SDHC / SDXC, Smart Failover (Up to 256GB) |
| Trigger Event | Motion Detection Alarm in Audio Detection Tampering Trip Zone | Motion Detection Alarm in Audio Detection Tampering Trip Zone |
| Audio In / Out | Line-in 1ea / Line-out 1ea | Line-in 1ea / Line-out 1ea |
| Alarm In / Out | Input 1ea / Output 1ea | Input 1ea / Output 1ea |
| Vandal Proof Casing | IK10 | IK10 |
| Outdoor Ready | IP66, Heater | IP66, Heater |
| Operating Temperature | -40°C ~ +55°C (-40°F ~ +131°F) *Starting Up at Above -20°C (-4°F) | -40°C ~ +60°C (-40°F ~ +140°F) *Starting Up at Above -20°C (-4°F) |
| Dimensions (W x H x D) | Ø73.5mm x 311.1mm (Ø2.9" x 12.25") | Ø73.5mm x 308.5mm (Ø2.9" x 12.15") |
| Weight | 1.27kg (2.80lb) | 1.17kg (2.58lb) |
| Power Source | 12VDC, PoE IEEE 802.3af (Class 3) | 12VDC, PoE IEEE 802.3af (Class 3) |
| Power Consumption | 12V =, 0.95A, 11.4W PoE, IEEE 802.3af (Class 3) | 12V =, 0.8A, 9.6W PoE, IEEE 802.3af (Class 3) |



EDGE VA - The new models include analytics functionality such as line cross, loitering and object detection, as well as other feature sets including audio detection.

BULLET CAMERAS

| Model Name | MFZ, 8MP | FIXED, 8MP | MFZ, 2MP | |
|------------------------------------|--|--|--|--|
| | DC-T4831HRX (-A) | DC-T4811WRX (-A) | DC-T4236WRX (-A) | DC-T4236HRX (-A) |
| Image Sensor | 1/2.8" CMOS | 1/2.8" CMOS | 1/2.8" CMOS | 1/2.8" CMOS |
| Max. Resolution | 3840 x 2160 | 3840 x 2160 | 1920 x 1080 | 1920 x 1080 |
| Lens Type | Motorized Vari-focal | Fixed-focal | Motorized Vari-focal | Motorized Vari-focal |
| Focal Length | f=2.7-13.5mm | f=3.3mm | f = 2.8 - 12mm | f = 2.8 - 12mm |
| Aperture | F1.8 - 3.32 | F2.0(3.3mm) | F1.4 - 2.8 | F1.4 - 2.8 |
| Iris Control | DC IRIS | Fixed Iris | DC IRIS | DC IRIS |
| Angular Field of View | Wide : 110.6°(H) 57.3°(V) 134.1°(D) Tele : 32.6°(H) 18.3°(V) 37.4(D) | 101.3° (H) 54.5°(V) 119.7°(D) (f=3.3mm) | Wide : 98° (H) 51° (V) 116° (D) Tele : 33° (H) 19° (V) 38° (D) | Wide : 98° (H) 51° (V) 116° (D) Tele : 33° (H) 19° (V) 38° (D) |
| Min. Illumination | Color : 0.2 lux @ F1.8 B/W : 0 lux (IR LED On) | Color : 0.2 lux @ F2.0 B/W : 0 lux (IR LED On) | Color : 0.1 Lux @ F1.4 B/W : 0 Lux (IR LED On) | Color : 0.1 Lux @ F1.4 B/W : 0 Lux (IR LED On) |
| Dynamic Range | 120dB (True WDR) | 120dB (True WDR) | 120dB (True WDR) | 120dB (True WDR) |
| Day and Night | IR Cut Filter with Auto Switch |
| IR Distance (LEDs) | 40m /131.2ft (6ea) | 20m / 65.6ft | 30m / 98.4ft (6ea) | 30m / 98.4ft (6ea) |
| Image Stabilizer | - | - | - | - |
| De-Fog | No | No | - | - |
| Video Out | - | - | - | - |
| Video Compression | H.265, H.264 (MP) M-JPEG | H.265, H.264 (MP) M-JPEG | H.265, H.264 (MP), M-JPEG | H.265, H.264 (MP), M-JPEG |
| Intelligent Codec | Supported | Supported | Supported | Supported |
| Audio Compression * | ADPCM 16K, G.726, G.711 u-Law, G.711 a-Law |
| Max. Frame Rate | 30ips : 3840 x 2160 15ips : 3840 x 2160 (WDR) | 30ips : 3840 x 2160 15ips : 3840 x 2160 (WDR) | 30ips : 1920 x 1080 (WDR) | 30ips : 1920 x 1080 (WDR) |
| Ethernet | RJ45 (10/100BASE-T) | RJ45 (10/100BASE-T) | RJ45 (10/100BASE-T) | RJ45 (10/100BASE-T) |
| Recording Session Buffer (NLTSrec) | Yes (Up to 60MB) |
| Edge Storage | micro SD/SDHC/SDXC, Smart Failover (Up to 256GB) | micro SD/SDHC/SDXC, Smart Failover (Up to 256GB) | micro SD / SDHC / SDXC, Smart Failover (Up to 256GB) | micro SD / SDHC / SDXC, Smart Failover (Up to 256GB) |
| Trigger Event * | Motion Detection Alarm in Audio detection* Tampering Trip Zone |
| Audio In / Out * | Line-in 1ea / Line-out 1ea | Line-in 1ea / Line-out 1ea | 1 / 1 | 1 / 1 |
| Alarm In / Out | Input 1ea / Output 1ea | Input 1ea / Output 1ea | 1 / 1 | 1 / 1 |
| Vandal Proof Casing | IK10 | IK10 | IK10 | IK10 |
| Outdoor Ready | IP67, Heater | IP67 | IP67 | IP67, Heater |
| Operating Temperature | -40°C ~ +55°C (-40°F ~ +131°F) *Starting Up at Above -20°C (-4°F) | -20°C ~ +55°C(-22°F ~ +131°F) (TBD) *Starting up at above 0°C (32°F) | -20°C ~ +55°C (-4°F ~ +131°F) *Starting up at above 0°C (32°F) | -40°C ~ +55°C (-40°F ~ +131°F) *Starting Up at Above -20°C (-4°F) |
| Dimensions (W x H x D) | 80mm X 75mm X 237mm (3.15" x 2.95" x 9.33") | 75mm x 70mm x 195.8mm (2.95" x 2.75" x 7.7") | Ø 77mm X 244.1mm (Ø3.0" x 9.61") | Ø 77mm X 244.1mm (Ø3.0" x 9.61") |
| Weight | 1.00kg (2.20lb) | 0.65kg (1.43lb) | 0.84kg (1.85lb) | 0.84 kg (1.85lb) |
| Power Source | 12VDC, PoE IEEE 802.3af (Class 3) | PoE (IEEE 802.3af Class 3) | 12VDC, PoE IEEE 802.3af (Class 3) | 12VDC, PoE IEEE 802.3af (Class 3) |
| Power Consumption | 12V=, 1.1A, 13.2W PoE, IEEE 802.3af(Class 3), 11.7W | PoE, (IEEE 802.3af Class 3), 9.0W | 12V=, 0.78A, 9.3W PoE, IEEE 802.3af (Class 3), 8.5W | 12V=, 0.78A, 9.3W PoE, IEEE 802.3af (Class 3), 8.5W |

* : -A Model does not have Audio In/Out function.

BULLET CAMERAS

| Model Name | MFZ, 2MP | | FIXED, 2MP | | |
|------------------------------------|---|---|---|--|---|
| | DC-T4233WRX | DC-T4233HRX | DC-E4216WRX (-A) 2.8mm | DC-E4213WRX 2.8mm / 4.0mm / 6.0mm | DC-T4217WRX 2.8mm / 4.0mm / 6.0mm |
| Image Sensor | 1/2.8" CMOS | 1/2.8" CMOS | 1/2.8" CMOS | 1/2.8" CMOS | 1/2.8" CMOS |
| Max. Resolution | 1920 x 1080 | 1920 x 1080 | 1920 x 1080 | 1920 x 1080 | 1920 x 1080 |
| Lens Type | Motorized Vari-focal | Motorized Vari-focal | Fixed-focal | Fixed-focal | Fixed-focal |
| Focal Length | f = 2.8 - 12mm | f = 2.8 - 12mm | f=2.8mm | f = 2.8mm / f = 4.0mm / f = 6.0mm | f=2.8mm / 4.0mm / 6.0mm |
| Aperture | F1.4~2.8 | F1.4~2.8 | F 2.0 | F2.0 / F2.15 | F 2.0 (2.8mm) / F 1.6 (4.0mm, 6.0mm) |
| Iris Control | DC Iris | DC Iris | Fixed Iris | Fixed Iris | Fixed Iris |
| Angular Field of View | Wide : 98°(H) 51°(V) 116°(D) Tele : 33°(H) 19°(V) 38(D) | Wide : 98°(H) 51°(V) 116°(D) Tele : 33°(H) 19°(V) 38(D) | 111.6°(H), 61.45°(V), 127.3°(D) | 113.74° (H) 61.5°(V) 134.45°(D) (2.8mm) 87° (H) 44°(V) 106°(D) (4.0mm) 53.5° (H) 29.5°(V) 62.16°(D) (6.0mm) | 111.6°(H), 61.45°(V), 127.3°(D) (f=2.8mm) 87.4°(H), 46.9°(V), 103.5°(D) (f=4.0mm) 53.5°(H), 29.5°(V), 62.1°(D) (f=6.0mm) |
| Min. Illumination | Color : 0.1 Lux @ F1.4 B/W : 0 Lux (IR LED On) | Color : 0.1 Lux @ F1.4 B/W : 0 Lux (IR LED On) | COLOR : 0.2 Lux @ F2.0 B/W : 0 Lux (IR LED On) | Color : 0.2 Lux @ F2.0 B/W : 0 Lux (IR LED On)(2.8mm) Color : 0.2 Lux @ F2.15 B/W : 0 Lux (IR LED On)(4.0mm) Color : 0.2 Lux @ F1.6 B/W : 0 Lux (IR LED On)(6.0mm) | Color : 0.1 Lux @ F2.0 B/W : 0 Lux (IR LED On) (2.8mm) Color : 0.07 Lux @ F1.6 B/W : 0 Lux (IR LED On)(4.0mm) Color : 0.07 Lux @ F1.6 B/W : 0 Lux (IR LED On) (6.0mm) |
| Dynamic Range | 120dB (True WDR) | 120dB (True WDR) | 120dB (True WDR) | 120dB (True WDR) | More than 70dB |
| Day and Night | IR Cut Filter with Auto Switch | IR Cut Filter with Auto Switch | IR Cut Filter with Auto Switch | IR Cut Filter with Auto Switch | IR Cut Filter with Auto Switch |
| IR Distance (LEDs) | 30m / 98.4ft (6ea) | 30m / 98.4ft (6ea) | 30m / 98.4 ft (4 ea) | 30m / 98.4ft (4ea) | 20 m / 65.6 ft (2 ea) |
| Image Stabilizer | - | - | - | - | - |
| De-Fog | Yes | Yes | - | - | Yes |
| Video Out | - | - | - | - | - |
| Video Compression | H.265, H.264 (MP) M-JPEG | H.265, H.264 (MP) M-JPEG | H.265, H.264 (MP) M-JPEG, | H.265, H.264 (MP) M-JPEG | H.265, H.264 (MP) M-JPEG, |
| Intelligent Codec | Supported | Supported | Supported | Supported | Supported |
| Audio Compression * | ADPCM 16K, G.726, G.711 u-Law, G.711 a-Law | ADPCM 16K, G.726, G.711 u-Law, G.711 a-Law | ADPCM 16K, G.726, G.711 u-Law, G.711 a-Law | ADPCM 16K, G.726, G.711 u-Law, G.711 a-Law | - |
| Max. Frame Rate | 30ips : 1920 x 1080 (WDR) | 30ips : 1920 x 1080 (WDR) | 30ips : 1920 x 1080 (WDR) | 30ips : 1920 x 1080 (WDR) | 30ips : 1920 x 1080 |
| Ethernet | RJ45 (10/100BASE-T) | RJ45 (10/100BASE-T) | RJ45 (10/100BASE-T) | RJ45 (10/100BASE-T) | RJ45 (10/100BASE-T) |
| Recording Session Buffer (NLTSrec) | Yes (Up to 60MB) | Yes (Up to 60MB) | Yes (Up to 60MB) | Yes (Up to 60MB) | Yes (Up to 60MB) |
| Edge Storage | micro SD / SDHC / SDXC, Smart Failover(Up to 256GB) | micro SD / SDHC / SDXC, Smart Failover (Up to 256GB) | micro SD / SDHC / SDXC, Smart Failover (Up to 256GB) | micro SD / SDHC / SDXC, Smart Failover(Up to 256GB) | - |
| Trigger Event * | Motion Detection Alarm in Audio Detection Tampering Trip Zone | Motion Detection Alarm in Audio Detection Tampering Trip Zone | Motion Detection Alarm in Audio Detection * Tampering Trip Zone | Motion Detection Alarm in Audio Detection Tampering Trip Zone | Motion Detection Tampering Trip Zone |
| Audio In / Out * | Line-in 1ea / Line-out 1ea | Line-in 1ea / Line-out 1ea | 1 / 1 | Line-in 1ea / Line-out 1ea | - |
| Alarm In / Out | Input 1ea / Output 1ea | Input 1ea / Output 1ea | 1 / 1 | Input 1ea / Output 1ea | - |
| Vandal Proof Casing | IK10 | IK10 | IK10 | IK10 | IK10 |
| Outdoor Ready | IP67 | IP67 / Heater | IP67 | IP67 | IP66 |
| Operating Temperature | -20°C ~ +55°C (-4°F ~ +131°F) *Starting Up at Above 0°C (32°F) | -40°C ~ +55°C (-40°F ~ +131°F) *Starting up at above -20°C (-4°F) | -20°C ~ +55°C (-4°F ~ +131°F) *Starting up at above 0°C (32°F) | -20°C ~ +55°C (-4°F ~ +131°F) *Starting Up at Above 0°C (32°F) | -20°C ~ +55°C (-4°F ~ +131°F) *Starting Up at Above 0°C (32°F) |
| Dimensions (W x H x D) | Ø77mm x 244.1mm (Ø3.03" x 9.61") | Ø77mm x 244.1mm (Ø3.03" x 9.61") | Ø 75mm X 70mm x 195.8mm (2.95" x 2.75" x 7.7") | Ø75mm x 70mm x 195.8mm (2.95" x 2.75" x 7.7") | Ø70.1mm x 65mm X 182.7mm (2.75" x 2.56" x 7.2") |
| Weight | 0.84kg (1.85lb) | 0.84kg (1.85lb) | 0.66kg (1.45lb) | 0.66kg (1.45lb) | 0.340Kg (0.75 lb) |
| Power Source | 12VDC, PoE IEEE 802.3af (Class 3) | 12VDC, PoE IEEE 802.3af (Class 3) | PoE IEEE 802.3af (Class 2) | PoE IEEE 802.3af (Class 2) | PoE IEEE 802.3af (Class 2) |
| Power Consumption | 12V=, 1.21A, 14.52W PoE, IEEE 802.3af (Class 3), 11.1W | 12V=, 1.21A, 14.52W PoE, IEEE 802.3af (Class 3), 11.1W | PoE, IEEE 802.3af (Class 2), 6.1W | PoE, IEEE 802.3af (Class 2), 5.6W | PoE, IEEE 802.3af (Class 2), 5.4W |

* : -A Model does not have Audio In/Out function.

IDIS SUPER FISHEYE CAMERA

IDIS DUAL SIDE DEWARPING SOLUTION

On-Board Camera and Client Side

(Mobile Devices, Client PCs, or NVRs Without a PC)

Image dewarping is done either on-board the camera or on the client side, including mobile phones, client PCs, or an NVR without a PC.

NVR dewarping is an ideal choice for a wide range of applications, such as retail shops, restaurants, and supermarkets.



FISHEYE CAMERAS



IDIS Smart UX Controls v2.0

Graphic Processing Unit(GPU) Assisted Super Smooth ePTZ Control

To combat the challenges of IP PTZ controls, IDIS has developed the game changing Smart UX Controls software to provide unparalleled accuracy and ease of use, featuring intuitive "Rubberband" style control, creating an experience unlike any other available on the market.

These smooth and seamless controls allow users to easily follow moving objects in real-time with groundbreaking accuracy by panning images at different speeds and in different directions literally without lifting a finger. IDIS has also gone one step further to lessen the pain points associated with traditional PTZ controls and introduced "Quick Controls" functions to allow for simple and fast operation utilizing a CTRL button and mouse combination (left/right/wheel click).

| | FIXED, 12M DC-Y6C16WRX (-A) | FIXED, 5M DC-Y6516WRX (-A) |
|------------------------------------|---|---|
| Model Name | | |
| Image Sensor | 1/2.3" 12MP CMOS | 1/1.8" CMOS |
| Max. Resolution | 2944 x 2944 | 2560 x 2048 |
| Lens Type | Fixed-focal | Fixed-focal |
| Focal Length | f=1.6mm | f=1.5mm |
| Aperture | F2.0 | F1.8 |
| Iris Control | Fixed Iris | Fixed Iris |
| Angular Field of View | 180°(H), 180°(V), 180°(D) | 180°(H), 180°(V), 180°(D) |
| Pan / Tilt / Zoom | - | - |
| Min. Illumination | Color : 0.3 Lux @ F2.0 B/W : 0 Lux (IR LED On) | Color : 0.15 Lux @ F1.8 B/W : 0 Lux (IR LED On) |
| Dynamic Range | 120dB (True WDR) | 120dB (True WDR) |
| Day and Night | IR Cut Filter with Auto Switch | IR Cut Filter with Auto Switch |
| IR Distance (LEDs) | 10m (4ea) | 20m(4ea) |
| Image Stabilizer | - | - |
| Viewing Composition | 1O, 1P, 1P2R, 2P, 4R, 1O7R | 1O, 1P, 1P2R, 2P, 4R, 1O7R |
| Video Out | - | - |
| Video Compression | H.265, H.264 (MP), M-JPEG | H.265, H.264 (MP), M-JPEG |
| Intelligent Codec | Supported | Supported |
| Audio Compression * | ADPCM 16K, G.726, G.711 u-Law, G.711 a-Law | ADPCM 16K, G.726, G.711 u-Law, G.711 a-Law |
| Max. Frame Rate | 30ips : 2944 X 2944 15ips : 2944 x 2944 (WDR) | 30ips : 2560 x 2048 (WDR) |
| Ethernet | RJ45 (10/100BASE-T) | RJ45 (10/100BASE-T) |
| Recording Session Buffer (NLTSrec) | Yes (Up to 60MB) | Yes (Up to 60MB) |
| Edge Storage | micro SD / SDHC / SDXC, Smart Failover (Up to 256GB) | micro SD / SDHC / SDXC, Smart Failover (Up to 256GB) |
| Trigger Event * | Motion Detection Alarm in Audio detection * Tampering Trip Zone | Motion Detection Alarm in Audio detection * Tampering Trip Zone |
| Audio In / Out * | Line-in 1ea (Built In MIC) + 1 / Line-out 1ea | Line-in 1ea (Built In MIC) + 1 / Line-out 1ea |
| Alarm In / Out | Input 1ea / Output 1ea | Input 1ea / Output 1ea |
| Vandal Resistance | IK10 | IK10 |
| Outdoor Ready | IP67 | IP67 |
| Operating Temperature | -30°C ~ 50°C (22°F ~ 122°F) *Starting up at above 0°C (32°F) | -30°C ~ 50°C (22°F ~ 122°F) *Starting up at above 0°C (32°F) |
| Dimensions (W x H x D) | Ø135 x 56.9mm (Ø5.31" x 2.24") | Ø135 x 56.9mm (Ø5.31" x 2.24") |
| Weight | 0.67kg (1.47 lb) | 0.67kg (1.47 lb) |
| Power Source | 12VDC, PoE IEEE 802.3af (Class 3) | 12VDC, PoE (IEEE 802.3af Class 3) |
| Power Consumption | 12V~, 0.94A, 11.3W PoE, IEEE 802.3af(Class 3), 10.6W | 12V~, 0.92A, 11W PoE (IEEE 802.3af Class 3), 10.3W |

* : -A Model does not have Audio In/Out function.

IDIS PREMIER IR PTZ CAMERA

IDIS IR PTZ cameras offer up to 4K resolution and 31x zoom, providing clear monitoring of distant objects

Both cameras offer 31x optical zoom and high resolution images (4K: DC-S3883HRX, 5MP: DC-S3583HRX), making it possible to monitor city streets, parking, casinos, public spaces, airports, as well as other large outdoor locations. Offering at least twice the pixels of Full HD, the cameras deliver noticeably superior image quality.



SPEED DOME CAMERAS

| Model Name | IR PTZ, 2MP, 36x | IR PTZ, 8MP, 31x | IR PTZ, 5MP, 31x | Outdoor PTZ, 2MP, 30x | Indoor PTZ, 2MP, 30x |
|-----------------------------------|---|--|--|--|--|
| | DC-S6283HRXL (-A) | DC-S3883HRX (-A) | DC-S3583HRX (-A) | DC-S3283WHX (-A) | DC-S3283FX (-A) |
| | IDIS LightMaster  full HD 2MP |  4K 8MP iF red dot award 2018 |  5MP iF red dot award 2018 |  full HD 2MP |  full HD 2MP |
| Image Sensor | 1/2" CMOS | 1/1.7" CMOS | 1/1.7" CMOS | 1/3" CMOS | 1/3" CMOS |
| Max. Resolution | 1920 x 1080 | 3840 x 2160 | 3072 x 1728 | 1920 x 1080 | 1920 x 1080 |
| Lens Type | AF Zoom Lens | AF Zoom Lens | AF Zoom Lens | AF Zoom Lens | AF Zoom Lens |
| Focal Length | f = 6 - 216mm (36x) | f = 6.5 - 202mm (31x) | f = 6.5 - 202mm (31x) | f = 4.3 - 129mm | f = 4.3 - 129mm |
| Aperture | F1.36 - 4.6 | F1.55 - 4.8 | F1.55 - 4.8 | F1.6 - 5.0 | F1.6 - 5.0 |
| Iris Control | DC Auto Iris (Hall Sensor) | DC Auto Iris (Hall Sensor) | DC Auto Iris (Hall Sensor) | DC Auto Iris (Hall Sensor) | DC Auto Iris (Hall Sensor) |
| Angular Field of View | Wide : 59.0°(H), 34.9°(V), 66.1°(D) Tele : 2.04°(H), 1.04°(V), 2.32°(D) | Wide : 58.2°(H), 34.4°(V), 65.2°(D) Tele : 1.99°(H), 1.13°(V), 2.3°(D) | Wide : 58.2°(H), 34.4°(V), 65.2°(D) Tele : 1.99°(H), 1.13°(V), 2.3°(D) | Wide : 64.7°(H), 38.6°(V), 72.7°(D) Tele : 2.3°(H), 1.4°(V), 2.6°(D) | Wide : 64.7°(H), 38.6°(V), 72.7°(D) Tele : 2.3°(H), 1.4°(V), 2.6°(D) |
| Min. Illumination | Color : 0.1 Lux @ F1.36 B/W : 0 Lux (IR LED On) | Color : 0.1 Lux @ F1.55 B/W : 0 Lux (IR LED On) | Color : 0.1 Lux @ F1.55 B/W : 0 Lux (IR LED On) | Color : 0.1 Lux @ F1.6 B/W : 0.01 Lux @ F1.6 | Color : 0.1 Lux @ F1.6 B/W : 0.01 Lux @ F1.6 |
| Dynamic Range | 120dB (True WDR) | 120dB (True WDR) | 120dB (True WDR) | 120dB (True WDR) | 120dB (True WDR) |
| IR Distance (LEDs) | 350m / 1,148.2ft (2ea) | 200m / 656.2ft (2ea) | 200m / 656.2ft (2ea) | - | - |
| Image Stabilizer | Yes (DIS) | Yes (DIS) | Yes (DIS) | - | - |
| Auto Tracking | Yes | Yes | Yes | Yes | Yes |
| Video Out | 1 Terminal Block | 1 Terminal Block | 1 Terminal Block | - | - |
| Video Compression | H.265, H.264 (MP), M-JPEG | H.265, H.264 (MP), M-JPEG | H.265, H.264 (MP), M-JPEG | H.265, H.264 (MP), M-JPEG | H.265, H.264 (MP), M-JPEG |
| Intelligent Codec | Supported | Supported | Supported | Supported | Supported |
| Audio Compression * | ADPCM 16K, G.726, G.711 u-Law, G.711 a-Law | ADPCM 16K, G.726, G.711 u-Law, G.711 a-Law | ADPCM 16K, G.726, G.711 u-Law, G.711 a-Law | ADPCM 16K, G.726, G.711 u-Law, G.711 a-Law | ADPCM 16K, G.726, G.711 u-Law, G.711 a-Law |
| Max. Frame Rate | 60ips : 1920 x 1080 30ips : 1920 x 1080 (WDR) | 30ips : 3840 x 2160 (WDR) | 30ips : 3072 x 1728 (WDR) | 60ips : 1920 x 1080 30ips : 1920 x 1080 (WDR) | 60ips : 1920 x 1080 30ips : 1920 x 1080 (WDR) |
| Ethernet | RJ45 (10/100BASE-T) | RJ45 (10/100/1000 BASE-T) | RJ45 (10/100/1000 BASE-T) | RJ45 (10/100/1000BASE-T) | RJ45 (10/100/1000 BASE-T) |
| Recording Session Buffer (NLTSec) | Yes (Up to 60MB) | Yes (Up to 60MB) | Yes (Up to 60MB) | Yes (Up to 60MB) | Yes (Up to 60MB) |
| Edge Storage | micro SD / SDHC / SDXC, Smart Failover (Up to 256GB) | micro SD / SDHC / SDXC, Smart Failover (Up to 256GB) | micro SD / SDHC / SDXC, Smart Failover (Up to 256GB) | micro SD / SDHC / SDXC, Smart Failover (Up to 256GB) | micro SD / SDHC / SDXC, Smart Failover (Up to 256GB) |
| Trigger Event * | Motion Detection Alarm in Audio detection * Tampering Trip Zone | Motion Detection Alarm in Audio detection * Tampering Trip Zone | Motion Detection Alarm in Audio detection * Tampering Trip Zone | Motion Detection Alarm in, Audio detection * Tampering Trip Zone | Motion Detection Alarm in, Audio detection * Tampering Trip Zone |
| Audio In / Out * | Line-in 1ea / Line-out 1ea | Line-in 1ea / Line-out 1ea | Line-in 1ea / Line-out 1ea | Line-in 1ea / Line-out 1ea | Line-in 1ea / Line-out 1ea |
| Alarm In / Out | Input 8ea / Output 2ea | Input 8ea / Output 2ea | Input 8ea / Output 2ea | Input 4ea / Output 2ea | Input 4ea / Output 2ea |
| Vandal Proof Casing | IK10 | IK10 | IK10 | IK10 | - |
| Outdoor Ready | IP66, Heater | IP66, Heater | IP66, Heater | IP67, Heater | - |
| Operating Temperature | -40°C ~ +60°C (-40°F ~ +140°F) *Starting Up at Above -20°C (-4°F) | -40°C ~ +60°C (-40°F ~ +140°F) *Starting Up at Above -20°C (-4°F) | -40°C ~ +60°C (-40°F ~ +140°F) *Starting Up at Above -20°C (-4°F) | -40°C ~ +60°C (+40°F ~ +140°F) *Starting Up at Above -20°C (-4°F) | -10°C ~ +60°C (+14°F ~ +140°F) *Starting Up at Above 0°C (32°F) |
| Dimensions (W x H x D) | Ø242mm x 401.1mm (Ø9.52" x 15.79") | Ø242mm x 401.1mm (Ø9.52" x 15.79") | Ø242mm x 401.1mm (Ø9.52" x 15.79") | Ø200mm x 201mm (Ø7.88" x 7.91") | Ø226.5mm x 225.3mm (Ø8.92" x 8.87") |
| Weight | 7.2kg (15.87lb) | 7.4kg (16.31lb) | 7.4kg (16.31 lb) | 2.45 kg (5.41lb) | 2.2 kg (4.86lb) |
| Power Source | 24VAC, PoE (75W) | 24VAC, PoE (75W) | 24VAC, PoE (75W) | 24VAC, PoE IEEE 802.3at (Class 4) | 24VAC, PoE IEEE 802.3af (Class 3) |
| Power Consumption | HEATER OFF 24V~, 2.1A, 35.9W, 50/60Hz High-PoE, 50-57V, 27.9W HEATER ON 24V~, 3.7A, 64.6W, 50/60Hz High-PoE, 50-57V, 55.2W | HEATER OFF 24V~, 2.1A, 38.2W, 50/60Hz PoE, IEEE 802.3bt (Class 7), 29.7W HEATER ON 24V~, 3.7A, 68.58W, 50/60Hz PoE, IEEE 802.3bt (Class 7), 58.6W | HEATER OFF 24V~, 2.1A, 38.2W, 50/60Hz PoE, IEEE 802.3bt (Class 7), 29.7W HEATER ON 24V~, 3.7A, 68.58W, 50/60Hz PoE, IEEE 802.3bt (Class 7), 58.6W | HEATER OFF 24V~, 0.66A, 12.0W, 50/60Hz PoE, IEEE 802.3at (Class 4) | 24V~, 0.66A, 12.0W, 50/60Hz PoE, IEEE 802.3af (Class 3) |

* : -A Model does not have Audio In/Out function.

COVERT MODULAR CAMERAS



| Model Name | Covert Modular, 2MP | |
|--|---|--|
| | DC-V3213XJ 4.0mm | DC-V3213XJ-2.5mm |
| | | |
| Image Sensor | 1/2.9" SONY CMOS Sensor | 1/2.9" SONY CMOS Sensor |
| Max. Resolution | 1920 x 1080 | 1920 x 1080 |
| Scanning Mode | Progressive Scan | Progressive Scan |
| Lens Type | Fixed-focal Sharp-corn | Fixed-focal Board Type |
| Focal Length | f=2.5mm | f = 2.5mm |
| Aperture | F2.0 | F2.0 |
| Iris Control | Fixed Iris | Fixed Iris |
| Angular Field of View | 84.4°(H), 50.3°(V), 104.6°(D) | 132° (H), 70° (V), 150° (D) |
| Min. Illumination | Color : 0.1 Lux B/W : 0.01 Lux | Color : 0.1 Lux B/W : 0.01 Lux |
| Dynamic Range | 120dB (True WDR) | 120dB (True WDR) |
| Day and Night | Electrical | Electrical |
| IR Distance (LEDs) | - | - |
| Video Out | - | - |
| Video Compression | H.265, H.264 (MP), M-JPEG | H.265, H.264 (MP), M-JPEG |
| Intelligent Codec | Supported | Supported |
| Audio Compression | G.726, G.711 u-Law, G.711 a-Law | G.726, G.711 u-Law, G.711 a-Law |
| Two-way Audio | Yes | Yes |
| Max. Frame Rate | 30ips : 1920 x 1080 15ips : 1920 x 1080 (WDR) | 30ips : 1920 x 1080 15ips : 1920 x 1080 (WDR) |
| Ethernet | RJ45 (10/100 BASE-T) | RJ45 (10/100 BASE-T) |
| Recording Session Buffer (NLTSrec) | Yes (Up to 60MB) | Yes (Up to 60MB) |
| Edge Storage | micro SD / SDHC / SDXC, Smart Failover (Up to 256GB) | micro SD / SDHC / SDXC, Smart Failover (Up to 256GB) |
| Trigger Event | Motion Detection Alarm in Audio detection Tampering Trip Zone | Motion Detection Alarm in Audio detection Tampering, Trip Zone |
| Audio In / Out | Line-in 1ea / Line-out 1ea | Line-in 1ea / Line-out 1ea |
| Alarm In / Out | Input 1ea / Output 1ea | Input 1ea / Output 1ea |
| Vandal Proof Casing | - | - |
| Outdoor Ready | - | - |
| Operating Temperature | -10°C ~ +50°C (+14°F ~ +122°F) *Starting Up at Above 0°C (32°F) | -10°C ~ +50°C (+14°F ~ +122°F) *Starting Up at Above 0°C (32°F) |
| Dimensions (W x H x D) - Main Module | 153mm x 36.5mm x 132.7mm (6.02" x 1.44" x 5.22") | 153mm x 36.5mm x 132.7mm (6.02" x 1.44" x 5.22") |
| Dimensions (W x H x D) - Camera Module | 39mm x 40mm x 25mm (1.54" x 1.57" x 0.98") | 39mm x 40mm x 35mm (1.54" x 1.57" x 1.38") |
| Weight | 0.9kg (1.98lb) | 0.9kg (1.98lb) |
| Power Source | 12VDC, PoE IEEE 802.3at (Class 4) | 12VDC, PoE IEEE 802.3at (Class 4) |
| Power Consumption | 12V-, 0.37A, 4.44W PoE, IEEE 802.3at(Class 4) | 12V-, 0.37A, 4.44W PoE, IEEE 802.3at(Class 4) |

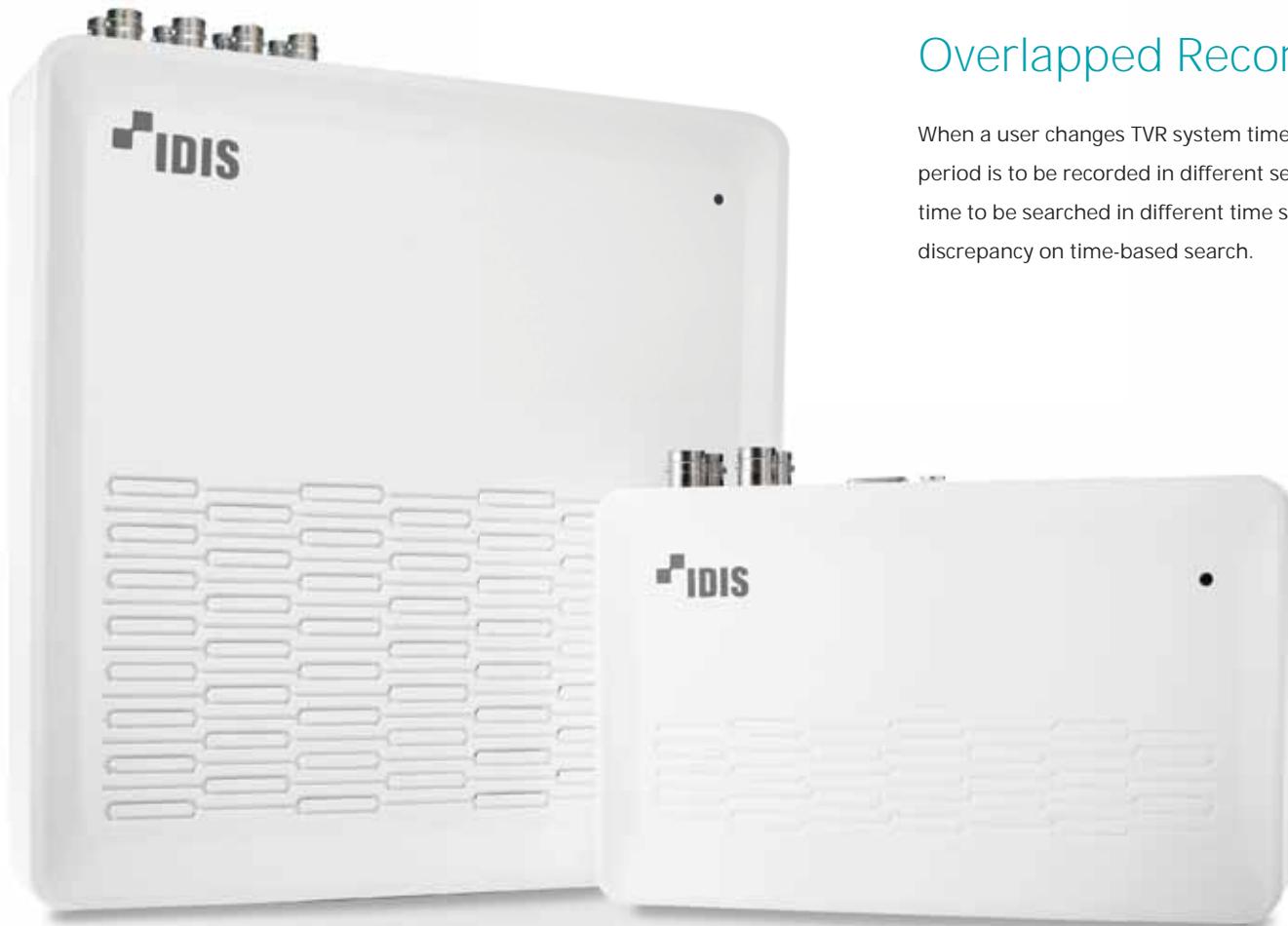
DirectCX®

THE MOST ADVANCED HD ANALOG OVER COAX SOLUTION

IDIS DirectCX, the industry's most advanced analog HD over coax solution. Based on High Definition Transfer Video Interface (HD-TVI) technology, IDIS incorporates its expertise in image processing to provide unrivaled HD recording performance at a lower cost.



HD ANALOG RECORDERS



Overlapped Recording

When a user changes TVR system time to the past point, video data for the overlapped time period is to be recorded in different segments. This enables video data for the overlapped time to be searched in different time set and prevents any possible loss of video data or discrepancy on time-based search.

TR-4000 SERIES

| | TR-4316(R) | TR-4308(R) |
|------------------------|---|---|
| Model Name | | |
| VIDEO | | |
| Video Inputs | 16 BNC (Multistandard Analog) | 8 BNC (Multistandard Analog) |
| Supported Camera Types | 5MP, 4MP, 3MP, 1080P30, 1080P25, 720P30, 720P25, CVBS(NTSC / PAL) (Note. Each 5MP(20ips) or 4MP(25/30ips) Camera allocates 2 channel slots) | 5MP, 4MP, 3MP, 1080P30, 1080P25, 720P30, 720P25, CVBS(NTSC / PAL) (Note. Each 5MP(20ips) or 4MP(25/30ips) Camera allocates 2 channel slots) |
| Video Outputs | 1 HDMI, 1 VGA, 1 BNC (Spot) | 1 HDMI, 1 VGA, 1 BNC (Spot) |
| Display Resolution | HDMI : 3840 x 2160, 1920 x 1080, 1440 x 900, 1280 x 1024 VGA : 1920 x 1080, 1440 x 900, 1280 x 1024 Composite : 720 x 480(NTSC), 720 x 576(PAL) | HDMI : 3840 x 2160, 1920 x 1080, 1440 x 900, 1280 x 1024 VGA : 1920 x 1080, 1440 x 900, 1280 x 1024 Composite : 720 x 480(NTSC), 720 x 576(PAL) |
| Display Speed | Up to 480ips | Up to 240ips |
| RECORDING | | |
| Recording Resolution | 5MP, 4MP, 3MP, 1920x1080, 1280x720, 960x480, 720x480, 960x240, 720x240 480x240, 360x240 | 5MP, 4MP, 3MP, 1920x1080, 1280x720, 960x480, 720x480, 960x240, 720x240 480x240, 360x240 |
| Frame Rate | 480ips@1080P | 240ips@1080P |
| Recording Mode | Time-Lapse, Event, Pre-Event, Panic | |
| Trigger Events | Alarm in, Motion Detection, Video loss, Text-in | |
| PLAYBACK | | |
| Performance | 4ch 1080P Synchronous Playback | |
| Search Mode | Time-lapse, Event Log, Motion, Text-in | |
| Digital Zoom | x2 ~ x12 | |
| STORAGE | | |
| HDD | SATA x4, eSATA x1, RAID 1 Supported | SATA x4, eSATA x1,(Up to 10TB capacity for each disk) |
| Data Export Device | | USB HDD, USB Stick |
| NETWORK | | |
| Client Connection | Gigabit Ethernet x 1 | |
| Transmission Speed | 120ips @ Full HD | |
| Client Viewer | IDIS Center, IDIS Mobile, IDIS Web, IDIS Solution Suite | |
| INTERFACE | | |
| Audio In / Out | 4 RCA / 1 RCA + 1 HDMI | |
| Alarm In / Out | 16 In / 4 Relay Out | 8 In / 4 Relay Out |
| Alarm Reset In | 1 | |
| Serial Interface | RS232, RS485 (Terminal Block), USB 2.0, USB 3.0 | |
| GENERAL | | |
| Operating System | Embedded Linux | |
| Dimensions (W x H x D) | 430mm x 88mm x 413 mm (16.9" x 3.5" x 16.3") | 430mm x 88mm x 413 mm (16.9" x 3.5" x 16.3") |
| Unit Weight | 6.0kg (13.2lb) (with 1 HDD) | 6.0kg (13.2lb) (with 1 HDD) |
| Operating Humidity | 0% - 90% | 0% ~ 90% |
| Power Input | AC 100-240 V, 50/60Hz, ≤ 2.0A | AC 100-240 V, 50/60Hz, ≤ 2.0A |
| Power Consumption | 100-240V~, 50/60Hz, 1.2-0.6A, 76W | 100-240V~, 50/60Hz, 1.2-0.6A, 76W |
| Approvals | FCC, CE, KC, CB, UL, PSE | |

TR-2000 SERIES

| | TR-2416 | TR-2408 | TR-2404 |
|------------------------|---|--|---|
| Model Name |  |  |  |
| VIDEO | | | |
| Video Inputs | 16 BNC (Multistandard Analog) | 8 BNC (Multistandard Analog) | 4 BNC (Multistandard Analog) |
| Supported Camera Types | 5MP20, 5MP12, 4MP30, 4MP15, 3MP30, 3MP18, 1080P30, 1080P25, 720P30, 720P25, CVBS(NTSC/PAL) | 5MP20, 5MP12, 4MP30, 4MP15, 3MP30, 3MP18, 1080P30, 1080P25, 720P30, 720P25, CVBS(NTSC/PAL) | 5MP20, 5MP12, 4MP30, 4MP15, 3MP30, 3MP18, 1080P30, 1080P25, 720P30, 720P25, CVBS(NTSC/PAL) |
| Video Outputs | 1 HDMI, 1 VGA | 1 HDMI, 1 VGA | 1 HDMI, 1 VGA |
| Display Resolution | HDMI : 3840 x 2160, 1920 x 1080, 1440 x 900, 1280 x 1024 VGA : 1920 x 1080, 1440 x 900, 1280 x 1024 | HDMI : 3840 x 2160, 1920 x 1080, 1440 x 900, 1280 x 1024 VGA : 1920 x 1080, 1440 x 900, 1280 x 1024 | HDMI : 3840 x 2160, 1920 x 1080, 1440 x 900, 1280 x 1024 VGA : 1920 x 1080, 1440 x 900, 1280 x 1024 |
| Display Speed | Up to 480ips | Up to 240ips | Up to 120ips |
| RECORDING | | | |
| Recording Resolution | 5MP, 4MP, 3MP, 1920 x 1080, 1280 x 720, 960 x 480, 720 x 480, 960 x 240, 720 x 240 480 x 240, 360 x 240 | 5MP, 4MP, 3MP, 1920 x 1080, 1280 x 720, 960 x 480, 720 x 480, 960 x 240, 720 x 240, 480 x 240, 360 x 240 | 5MP, 4MP, 3MP, 1920 x 1080, 1280 x 720, 960 x 480, 720 x 480, 960 x 240, 720 x 240 480 x 240, 360 x 240 |
| Frame Rate | 480ips@1080P, 288ips@3MP, 240ips@4MP, 160ips@5MP | 240ips@1080P, 144ips@3MP, 120ips@4MP, 80ips@5MP | 120ips@1080P, 72ips@3MP, 60ips@4MP, 48ips@5MP |
| Recording Mode | Time-Lapse, Event, Pre-Event, Panic | Time-Lapse, Event, Pre-Event, Panic | Time-Lapse, Event, Pre-Event, Panic |
| Trigger Events | Alarm in, Motion Detection, Video Loss, Text-in | Alarm in, Motion Detection, Video Loss, Text-in | Alarm in, Motion Detection, Video Loss, Text-in |
| PLAYBACK | | | |
| Performance | 4ch 1080p Synchronous Playback | 8ch 1080p Synchronous Playback | 4ch 1080p Synchronous Playback |
| Search Mode | Time-lapse, Event log, Motion, Text-in | Time-lapse, Event log, Motion, Text-in | Time-lapse, Event log, Motion, Text-in |
| Digital Zoom | x2 ~ x12 | x2 ~ x12 | x2 ~ x12 |
| STORAGE | | | |
| HDD | SATA x2 | SATA x2 | SATA x2 |
| Data Export Device | USB HDD, USB Stick | USB HDD, USB Stick | USB HDD, USB Stick |
| NETWORK | | | |
| Client Connection | Giga Ethernet x1 | Fast Ethernet x1 | Fast Ethernet x1 |
| Transmission Speed | 60ips@Full HD or 15ips@D1 per channel | 30ips@Full HD per Channel, Same as Recording Stream | 30ips@Full HD per Channel, Same as Recording Stream |
| Client Viewer | IDIS Center, IDIS Mobile, IDIS Web, IDIS Solution Suite | IDIS Center, IDIS Mobile, IDIS Web, IDIS Solution Suite | IDIS Center, IDIS Mobile, IDIS Web, IDIS Solution Suite |
| INTERFACE | | | |
| Audio In / Out | 4 RCA / 1 RCA + 1 HDMI | 4 RCA / 1 RCA + 1 HDMI | 4 RCA / 1 RCA + 1 HDMI |
| Alarm In / Out | 4 In / 1 Relay Out | 8 In / 1 Relay Out | 4 In / 1 Relay Out |
| Alarm Reset In | - | - | - |
| Serial Interface | RS232 / RS485 (Terminal Block), USB 2.0 x 2 (Front x 2) | RS232 / RS485(Terminal Block), USB 2.0 x 2 (Front x 2) | RS232 / RS485(Terminal Block), USB 2.0 x 2 (Front x 2) |
| GENERAL | | | |
| Operating System | Embedded Linux | Embedded Linux | Embedded Linux |
| Dimensions (W x H x D) | 340mm x 46.5mm x 313.5mm (13.4" x 1.8" x 12.3") | 300mm x 67mm x 243.6mm (11.8" x 2.6 x 9.6") | 300mm x 67mm x 243.6mm (11.8" x 2.6 x 9.6") |
| Unit Weight | 3.28 kg (with 2TB 2HDDs) | 3.0 kg (with 2 2TB HDD) | 2.72 kg (6lbs) (with 2 2TB HDD) |
| Operating Humidity | 0% ~ 90% | 0% ~ 90% | 0% ~ 90% |
| Power Input | Adaptor : Input : 100-240V AC, 50/60Hz, 1.5A, Output : 12V DC, 5A | Adaptor : Input : 100-240V AC, 50/60Hz, 1.5A, Output : 12V DC, 5A | Adaptor : Input : 100-240V AC, 50/60Hz, 1.5A, Output : 12V DC, 5A |
| Power Consumption | 12V=, 2A, 24W | 12V=, 1.7A, 20.4W | 12V=, 1.22A, 14.6W |
| Approvals | FCC, CE, KC | FCC, CE, KC | FCC, CE, KC |

TR-1000 SERIES | IDIS Compact Solution

Quality Compact Solution Packed with
Essential and Easy-To-Use Features



| | TR-1208 | TR-1204 |
|------------------------|---|---|
| Model Name | | |
| VIDEO | | |
| Video Inputs | 8 BNC (Multistandard Analog) | 4 BNC (Multistandard Analog) |
| Supported Camera Types | 720P25, 720P30, 1080P25, 1080P30, CVBS (NTSC / PAL) | |
| Video Outputs | 1 HDMI, 1 VGA | |
| Display Resolution | HDMI / VGA : 1920 x 1080, 1440 x 900, 1280 x 1024 | |
| Display Speed | Up to 240ips | Up to 120ips |
| RECORDING | | |
| Recording Resolution | 1920 x 1080, 1280 x 720, 960 x 480, 720 x 480 960 x 240, 720 x 240, 480 x 240, 360 x 240 | |
| Frame Rate | 240ips @ 1080P | 120ips @ 1080P |
| Recording Mode | Time-Lapse, Event, Pre-Event, Panic | |
| Trigger Events | Motion detection, Video loss | |
| PLAYBACK | | |
| Performance | 2ch 1080P / 8ch D1 synchronous playback | 1ch 1080P / 4ch D1 synchronous playback |
| Search Mode | Time-lapse, Event log, Motion | |
| Digital Zoom | x2 ~ x12 | |
| STORAGE | | |
| HDD | SATA x1 | SATA x1 |
| Data Export Device | USB HDD, USB Stick | |
| NETWORK | | |
| Client Connection | Fast Ethernet x1 | |
| Transmission Speed | 30ips@Full HD per channel, shared with recording | |
| Client Viewer | IDIS Center, IDIS Mobile, IDIS Solution Suite, IDIS Web (web.idisglobal.com only) | |
| INTERFACE | | |
| Audio In / Out | - | |
| Alarm In / Out | - | |
| Alarm Reset In | - | |
| Serial Interface | USB 2.0 x 2 | |
| GENERAL | | |
| Operating System | Embedded Linux | |
| Dimensions (W x H x D) | 205mm x 223.4mm x 44.5mm (8.07" x 8.80" x 1.75") | 205mm x 44.5mm x 223.4mm (8.07" x 1.75" x 8.80") |
| Unit Weight | 1.24kg (2.73lb) (with 1 HDD) | 1.12kg (2.47lb) (with 1 HDD) |
| Operating Humidity | 0% ~ 90% | 0% ~ 90% |
| Power Input | Adaptor Input : 100-240V AC, 50/60Hz, 1.2A, Output : 12V DC, 3A | |
| Power Consumption | 12V=, 1.11A, 13.32W | 12V=, 0.88A, 10.6W |
| Approvals | FCC, CE, KC | |

HD-TVI ANALOG CAMERAS

Overlapped Recording

When a user changes TVR system time to the past point, video data for the overlapped time period is to be recorded in different segments. This enables video data for the overlapped time to be searched in different time set and prevents any possible loss of video data or discrepancy on time-based search.



HD-TVI DOME CAMERAS

| | TC-D5531RX | TC-D5532WRX | TC-D5532RX | TC-D5511RX |
|------------------------------|---|---|---|---|
| Model Name |  5MP |  5MP |  5MP |  5MP |
| VIDEO | | | | |
| Image Sensor | 1/2.8" CMOS Sensor | 1/2.8" CMOS Sensor | 1/2.8" CMOS Sensor | 1/2.8" CMOS Sensor |
| Max. Resolution | 2592 x 1944 | 2592 x 1944 | 2616 x 1964 | 2592 x 1944 |
| Scanning Mode | Progressive Scan | Progressive Scan | Progressive Scan | Progressive Scan |
| Frame Rate | TVI : 20ips@5MP, 12.5ips@5MP, 30ips@4MP, 30ips@2MP AHD : 20ips@5MP, 12.5ips@5MP, 30ips@4MP, 30ips@2MP CVBS : NTSC / PAL(for previewing video) | TVI : 20ips@5MP, 12.5ips@5MP, 30ips@4MP, 30ips@2MP AHD : 20ips@5MP, 12.5ips@5MP, 30ips@4MP, 30ips@2MP CVBS : NTSC / PAL(for previewing video) | TVI : 20ips@5MP, 12.5ips@5MP, 30ips@4MP, 30ips@2MP AHD : 20ips@5MP, 12.5ips@5MP, 30ips@4MP, 30ips@2MP CVBS : NTSC / PAL(for previewing video) | TVI : 20ips@5MP, 12.5ips@5MP, 30ips@4MP, 30ips@2MP AHD : 20ips@5MP, 12.5ips@5MP, 30ips@4MP, 30ips@2MP CVBS : NTSC / PAL(for previewing video) |
| Lens Type | Motorized Vari-focal | Motorized Vari-focal | Motorized Vari-focal | Fixed-focal |
| Focal Length | f = 3.0mm - 13.5mm | f = 3.0mm - 13.5mm | f = 3.0mm - 13.5mm | f = 2.8mm |
| Iris Control | DC IRIS | DC IRIS | DC IRIS | Fixed Iris |
| Angular Field of View | Wide : 91°(H) 66°(V) 120°(D) Tele : 31°(H) 23°(V) 38(D) | Wide : 91°(H) 66°(V) 120°(D) Tele : 31°(H) 23°(V) 38(D) | Wide : 91°(H) 66°(V) 120°(D) Tele : 31°(H) 23°(V) 38(D) | 104.8° (H) 76.9°(V) 130°(D) |
| Pan / Tilt Range | Pan: -175° ~ 175° Tilt: 0° ~ 67° Rotate: -177° ~ 177° | Pan: -175° ~ 175° Tilt: 0° ~ 67° Rotate: -177° ~ 177° | Pan: -175° ~ 175° Tilt: 0° ~ 67° Rotate: -177° ~ 177° | Pan : -170° ~ 170° Tilt : -5° ~ 67.5° Rotate: -109° ~ 109° |
| Min. Illumination | Color : 0.13 Lux @ F1.4 B/W : 0 Lux (IR LED On) | Color : 0.13 Lux @ F1.4 B/W : 0 Lux (IR LED On) | COLOR : 0.13 Lux @ F1.4 B/W : 0 Lux (IR LED ON) | Color : 0.15 Lux @ F 2.0 B/W : 0 Lux (IR LED On) |
| Day and Night | Yes (ICR) | Yes (ICR) | Yes (ICR) | Yes (ICR) |
| IR Distance (LEDs) | 30 m / 98.4 ft (4 ea) | 30 m / 98.4 ft (4 ea) | 30 m / 98.4 ft (4 ea) | 20 m / 65.6 ft (4 ea) |
| Video Out | 1 HD BNC (Signal Switchable) |
| FUNCTION | | | | |
| Sens-Up | Off / x2 ~ x32 |
| Wide Dynamic Range (WDR) | Off / Frame / Line (Low, Middle, High) ROI Mode Availbale | Off / Frame / Line (Low, Middle, High) ROI Mode Availbale | Off / Frame / Line (Low, Middle, High) ROI Mode Availbale | Off / Frame / Line (Low, Middle, High) ROI Mode Availbale |
| Backlight Compensation (BLC) | Off / On | Off / On | Off / On | Off / On |
| HLC | 1 ~ 20 Level Adjustable (All Day / Night Only) | 1 ~ 20 Level Adjustable (All Day / Night Only) | 1 ~ 20 Level Adjustable (All Day / Night Only) | 1 ~ 20 Level Adjustable (All Day / Night Only) |
| Privacy Masking | Off / On (24 Zone) BOX:16 POLYGON:8 |
| Smart IR (IR Optimizer) | 0 ~ 20 Level Adjustable |
| Digital Noise Reduction | Off / Low / Middle / High |
| De-Fog | Off / On | Off / On | Off / On | Off / On |
| Language | ENG / CHN / CHN(S) / JPN / KOR | ENG / CHN / CHN(S) / JPN / KOR | ENG / CHN / CHN(S) / JPN / KOR | ENG / CHN / CHN(S) / JPN / KOR |
| Menu Control | OSD Button, TVI / AHD Coaxial Protocol |
| ENVIRONMENTAL | | | | |
| Outdoor Ready | - | IP67, IK10 | - | - |
| Operating Temperature | -10°C ~ +50°C (+14°F ~ +122°F) (Humidity : 0% ~ 90%) | -10°C ~ +55°C (14°C ~ +131°C) (Humidity : 0% ~ 90%) | -10°C ~ +50°C (+14°F ~ +122°F) (Humidity : 0% ~ 90%) | -10°C ~ +50°C (+14°F ~ +122°F) (Humidity : 0% ~ 90%) |
| MECHANICAL | | | | |
| Dimensions (W x H x D) | Ø122mm x 103.4mm (4.8" x 4.07") | Ø155mm x 105mm (6.1" x 4.13") | Ø122mm x 103.4mm (4.8" x 4.07") | Ø110mm x 78mm (4.33" x 3.07") |
| ELECTRICAL | | | | |
| Power Source | DC 12V | DC 12V, AC 24V | DC 12V, AC 24V | DC 12V |
| Power Consumption | 6.6W | DC 12V/8W, AC 24V/ 8.3W | DC 12V/8W, AC 24V/ 8.3W | 3.4W |

HD-TVI DOME CAMERAS

| | 2MP | | |
|---|---|---|--|
| | TC-D4222RX | TC-D4222WRX | TC-D4211RX (2.8mm / 4.0mm) |
| Model Name | | | |
|  | | | |
| VIDEO | | | |
| Image Sensor | 1/2.8" CMOS Sensor | 1/2.8" CMOS Sensor | 1/2.8" CMOS Sensor |
| Max. Resolution | 1920 x 1080 | 1920 x 1080 | 1920 x 1080 |
| Scanning Mode | Progressive Scan | Progressive Scan | Progressive Scan |
| Lens Type | Vari-focal | Vari-focal | Fixed-focal |
| Focal Length | f = 2.8mm - 12mm | f = 2.8mm - 12mm | f = 2.8mm / 4.0mm |
| Iris Control | ELC | DC Auto Iris | Fixed Iris |
| Angular Field of View | Wide : 95.1°(H), 50.8°(V), 110.6°(D) Tele : 35.6°(H), 20.0°(V), 40.8°(D) | Wide : 95.1°(H), 50.8°(V), 110.6°(D) Tele : 35.6°(H), 20.0°(V), 40.8°(D) | 106.5°(H), 57.5°(V), 122.7°(D) (2.8mm) 82.7°(H), 44.2°(V), 97.1°(D) (4.0mm) |
| Pan / Tilt Range | Pan : 0° ~ 360° Tilt : -5° ~ 55° Rotate: 0° ~ 360° | Pan : 0° ~ 360° Tilt : -5° ~ 55° Rotate: 0° ~ 360° | Pan : 0° ~ 360° Tilt : 7° ~ 90° (2.8mm) Pan : 0° ~ 360° Tilt : -5° ~ 60° Rotate: 0° ~ 360°(4.0mm) |
| Min. Illumination | Color : 0.1 Lux @ F1.4 B/W : 0 Lux (IR LED On) | Color : 0.1 Lux @ F1.4 B/W : 0 Lux (IR LED On) | Color : 0.1 Lux @ F 1.6 B/W : 0 Lux (IR LED On) |
| Day and Night | Yes (ICR) | Yes (ICR) | Yes (ICR) |
| IR Distance (LEDs) | 30 m / 98.4 ft (24ea) | 30 m / 98.4 ft (24 ea) | 15 m / 49.2 ft (24ea) |
| Video Out | 1 HD BNC, 1 SD BNC | 1 HD BNC, 1 SD BNC | 1 HD BNC |
| FUNCTION | | | |
| Sens-Up | Off / x2 ~ x32 | Off / x2 ~ x32 | Off / x2 ~ x32 |
| Wide Dynamic Range (WDR) | Off / On (Low, Middle, High) | Off / On (Low, Middle, High) | Off / On (Low, Middle, High) |
| Backlight Compensation (BLC) | Off / On | Off / On | Off / On |
| HLC | 1 ~ 20 Level Adjustable (All Day / Night Only) | 1 ~ 20 Level Adjustable (All Day / Night Only) | 1 ~ 20 Level Adjustable (All Day / Night Only) |
| Smart IR (IR Optimizer) | 0 ~ 20 Level Adjustable | 0 ~ 20 Level Adjustable | 0 ~ 20 Level Adjustable |
| Digital Noise Reduction | Off / Low / Middle / High | Off / Low / Middle / High | Off / Low / Middle / High |
| De-Fog | Off / On | Off / On | Off / On |
| ENVIRONMENTAL | | | |
| Outdoor Ready | - | IP66, IK10 | - |
| Operating Temperature | -10°C ~ +50°C (+14°F ~ +122°F) (Humidity : 0% ~ 90%) | -10°C ~ +50°C (+14°F ~ +122°F) (Humidity : 0% ~ 90%) | -10°C ~ +50°C (+14°F ~ +122°F) (Humidity : 0% ~ 90%) |
| MECHANICAL | | | |
| Dimensions (W x H x D) | Ø133mm x 104mm (Ø5.24" x 4.09") | Ø136mm x 111mm (Ø5.35" x 4.37") | Ø112.1mm x 88.3mm (Ø4.41" x 3.48") |
| ELECTRICAL | | | |
| Power Source | 12VDC, 24VAC | 12VDC, 24VAC | 12VDC |
| Power Consumption | 6W | 6W | 5W |

HD-TVI BULLET CAMERAS

| | TC-T5532WRX | 5MP | TC-T5531WRX | 5MP | TC-T5511WRX (4.0mm / 6.0mm) | 5MP |
|------------------------------|---|------------|---|------------|---|------------|
| Model Name |  | 5MP |  | 5MP |  | 5MP |
| VIDEO | | | | | | |
| Image Sensor | 1/2.8" CMOS Sensor | | 1/2.8" CMOS Sensor | | 1/2.8" CMOS Sensor | |
| Max. Resolution | 2592 x 1944 | | 2592 x 1944 | | 2592 x 1944 | |
| Scanning Mode | Progressive Scan | | Progressive Scan | | Progressive Scan | |
| Frame Rate | TVI : 20ips@5MP, 12.5ips@5MP, 30ips@4MP, 30ips@2MP AHD : 20ips@5MP, 12.5ips@5MP, 30ips@4MP, 30ips@2MP CVBS : NTSC / PAL(for previewing video) | | TVI : 20ips@5MP, 12.5ips@5MP, 30ips@4MP, 30ips@2MP AHD : 20ips@5MP, 12.5ips@5MP, 30ips@4MP, 30ips@2MP CVBS : NTSC / PAL(for previewing video) | | TVI : 20ips@5MP, 12.5ips@5MP, 30ips@4MP, 30ips@2MP AHD : 20ips@5MP, 12.5ips@5MP, 30ips@4MP, 30ips@2MP CVBS : NTSC / PAL(for previewing video) | |
| Lens Type | Motorized Vari-focal | | Motorized Vari-focal | | Fixed-focal | |
| Focal Length | f = 3.0mm - 13.5mm | | f = 3.0mm - 13.5mm | | f = 4.0mm / 6.0mm | |
| Aperture | F 1.4 - 3.2 | | F 1.4 - 3.2 | | | |
| Iris Control | DC Auto IRIS | | DC Auto IRIS | | Fixed Iris | |
| Angular Field of View | Wide : 91°(H) 66°(V) 120°(D) Tele : 31°(H) 23°(V) 38(D) | | Wide : 91°(H) 66°(V) 120°(D) Tele : 31°(H) 23°(V) 38(D) | | f=4.0mm : 79.2° (H) 56.6°(V) 103°(D) f=6.0mm : 49.9° (H) 37°(V) 63.6°(D) | |
| Min. Illumination | Color : 0.13 Lux @ F1.4 B/W : 0 Lux (IR LED On) | | Color : 0.13 Lux @ F1.4 B/W : 0 Lux (IR LED On) | | f=4.0mm : Color : 0.17 Lux @ F1.6, B/W : 0 Lux (IR LED ON) f=6.0mm : Color : 0.11 Lux @ F1.6, B/W : 0 Lux (IR LED ON) | |
| Day and Night | Yes (ICR) | | Yes (ICR) | | Yes (ICR) | |
| IR Distance (LEDs) | 30m / 98.4ft (4ea) | | 30m / 98.4ft (4ea) | | 20m / 65.6ft (4ea) | |
| Video Out | 1 HD BNC (Signal Switchable) | | 1 HD BNC (Signal Switchable) | | 1 HD BNC (Signal Switchable) | |
| FUNCTION | | | | | | |
| Sens-Up | Off / x2 ~ x32 | | Off / x2 ~ x32 | | Off / x2 ~ x8 | |
| Wide Dynamic Range (WDR) | Off / Frame / Line (Low, Middle, High) ROI Mode Available | | Off / Frame / Line (Low, Middle, High) ROI Mode Available | | Off / Frame / Line (Low, Middle, High) ROI Mode Available | |
| Backlight Compensation (BLC) | Off / On | | Off / On | | Off / On | |
| HLC | 1 ~ 20 Level Adjustable (All Day / Night Only) | | 1 ~ 20 Level Adjustable (All Day / Night Only) | | 1 ~ 20 Level Adjustable (All Day / Night Only) | |
| Smart IR (IR Optimizer) | 0 ~ 20 Level Adjustable | | 0 ~ 20 Level Adjustable | | - | |
| Digital Noise Reduction | Off / Low / Middle / High | | Off / Low / Middle / High | | 2D + 3DNR (Off / Low / Middle / High) | |
| De-Fog | Off / On | | Off / On | | Off / On | |
| Language | ENG / CHN / CHN(S) / JPN / KOR | | ENG / CHN / CHN(S) / JPN / KOR | | ENG / CHN / CHN(S) / JPN / KOR | |
| Menu Control | OSD Button, TVI / AHD Coaxial Protocol | | OSD button, TVI / AHD coaxial protocol | | OSD button, TVI / AHD coaxial protocol | |
| ENVIRONMENTAL | | | | | | |
| Outdoor Ready | IP67, IK10 | | IP67, IK10 | | IP66 | |
| Storage Temperature | -20°C ~ +60°C (-4°F ~ +140°F) (Humidity : 0% ~ 95%) | | -20°C ~ +60°C (-4°F ~ +140°F) (Humidity : 0% ~ 95%) | | -20°C ~ +60°C (-4°F ~ +140°F) (Humidity : 0% ~ 95%) | |
| Operating Temperature | -10°C ~ +55°C (14°F ~ +131°F) (Humidity : 0% ~ 90%) | | -10°C ~ +55°C (14°F ~ +131°F) (Humidity : 0% ~ 90%) | | -10°C ~ +55°C (14°F ~ +131°F) (Humidity : 0% ~ 90%) | |
| MECHANICAL | | | | | | |
| Dimensions (W x H x D) | 80mm x 75mm x 237mm (3.15" x 2.95" x 9.33") | | 80mm x 75mm x 237mm (3.15" x 2.95" x 9.33") | | 70mm x 60mm x 182.7mm (2.75" x 2.36" x 7.19") | |
| ELECTRICAL | | | | | | |
| Power Source | DC 12V, AC 24V | | DC 12V | | DC 12V | |
| Power Consumption | DC12V/8W, AC 24V/ 8.3W | | 6.6W | | 3.4W | |

HD-TVI BOX CAMERA

| | 5MP | 2MP | |
|------------------------------|---|---|---|
| Model Name | TC-B5502X  5MP | TC-B5501X  5MP | TC-B4202X  full HD 2MP |
| VIDEO | | | |
| Image Sensor | 1/2.8" CMOS Sensor | 1/2.8" CMOS Sensor | 1/2.8" CMOS Sensor |
| Max. Resolution | 2592 x 1944 | 2592 x 1944 | 1920X1080 |
| Scanning Mode | Progressive Scan | Progressive Scan | Progressive Scan |
| Frame Rate | TVI : 20ips@5MP, 12.5ips@5MP, 30ips@4MP, 30ips@2MP AHD : 20ips@5MP, 12.5ips@5MP, 30ips@4MP, 30ips@2MP CVBS : NTSC / PAL(for previewing video) | TVI : 20ips@5MP, 12.5ips@5MP, 30ips@4MP, 30ips@2MP AHD : 20ips@5MP, 12.5ips@5MP, 30ips@4MP, 30ips@2MP CVBS : NTSC / PAL(for previewing video) | |
| Lens Type | Optional (C/CS Mount Lens) | Optional (C/CS Mount Lens) | Optional (C/CS Mount Lens) |
| Focal Length | | | |
| Iris Control | DC Auto Iris / ELC | DC Auto Iris / ELC | DC Auto Iris / ELC |
| Angular Field of View | - | - | |
| Pan / Tilt Range | - | - | |
| Min. Illumination | COLOR : 0.11 Lux @ F1.6 B/W : 0.06 Lux @ F1.6 | Color : 0.11 Lux @ F1.3 B/W : 0.06 Lux @ F1.3 | Color : 0.1 Lux @ F1.4 B/W : 0.05 Lux @ F1.4 |
| Day and Night | Yes (ICR) | Yes (ICR) | Yes (ICR) |
| IR Distance (LEDs) | - | - | |
| Video Out | 1 HD BNC (Signal Switchable) | 1 HD BNC (Signal Switchable) | 1 HD BNC (Signal Switchable) |
| FUNCTION | | | |
| Sens-Up | Off / x2 ~ x32 | Off / x2 ~ x32 | Off / x2 ~ x32 |
| Wide Dynamic Range (WDR) | Off / Frame / Line (Low, Middle, High) ROI Mode Available | Off / Frame / Line (Low, Middle, High) ROI Mode Available | OFF / ON (Low,Middle,High) |
| Backlight Compensation (BLC) | Off / On | Off / On | Off / On |
| HLC | 1 ~ 20 Level Adjustable (All Day / Night Only) | 1 ~ 20 Level Adjustable (All Day / Night Only) | 1 ~ 20 Level Adjustable (All Day / Night Only) |
| Privacy Masking | Off / On (24 Zone) BOX:16 POLYGON:8 | Off / On (24 Zone) BOX:16 POLYGON:8 | OFF/ON (16 Zone) |
| Smart IR (IR Optimizer) | 0 ~ 20 Level Adjustable | 0 ~ 20 Level Adjustable | 0 ~ 20 Level Adjustable |
| Digital Noise Reduction | Off / Low / Middle / High | Off / Low / Middle / High | Off / Low / Middle / High |
| De-Fog | Off / On | Off / On | Off / On |
| Language | ENG / CHN / CHN(S) / JPN / KOR | ENG / CHN / CHN(S) / JPN / KOR | |
| Menu Control | OSD button, TVI / AHD coaxial protocol | OSD button, TVI / AHD coaxial protocol | |
| ENVIRONMENTAL | | | |
| Outdoor Ready | | | |
| Operating Temperature | -10°C ~ +50°C (+14°F ~ +122°F) (Humidity : 0% ~ 90%) | -10°C ~ +50°C (+14°F ~ +122°F) (Humidity : 0% ~ 90%) | -10°C ~ +50°C (+14°F ~ +122°F) (Humidity : 0% ~ 90%) |
| MECHANICAL | | | |
| Dimensions (W x H x D) | 75.6mm x 61mm x 129.3mm (2.98" x 2.4" x 5.09") | 75.6mm x 61mm x 129.3mm (2.98" x 2.4" x 5.09") | |
| ELECTRICAL | | | |
| Power Source | DC 12V, AC 24V | DC 12V | 12VDC, 24VAC |
| Power Consumption | DC12V/3.2W, AC 24V/ 3.7W | 1.8W | 5W |



IDIS®

One Solution.
One Company.



Largest Manufacturer of Video Surveillance Technology in Korea



IDIS DIRECTVIEW FULL HD VIDEO WALL MONITORS

IDIS DirectCX, the industry's most advanced analog HD over coax solution. Based on High Definition Transfer Video Interface (HD-TVI) technology, IDIS incorporates its expertise in image processing to provide unrivaled HD recording performance at a lower cost.



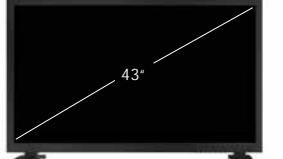
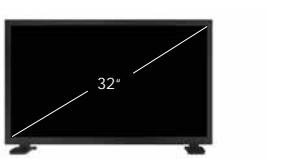
SECURITY MONITORS

Bringing You the Ultimate Surveillance Experience

Cutting-edge video wall monitor for surveillance control room

The IDIS DirectView VW-F552 video wall monitor has been specially designed for use in control rooms with an array of surveillance-oriented features which addresses the needs of security environments. VW-F552 advances video wall technology with the world's narrowest 3.5mm ultra-narrow bezel, which provides a seamless viewing experience with unrivalled image quality. Featuring a 55-inch Full HD S-IPS LCD panel with LED backlight, the VW-F552 also provides exceptional reliability for 24/7 use in a control room with a range of unique innovations that significantly reduces total cost of ownership with lower power consumption, maintenance cost, and a longer lifetime.

SECURITY MONITORS

| | VW-F552 | SM-F432 | SM-F322 | SM-U282 | SM-F212 |
|-----------------------------------|---|--|---|---|---|
| Model Name |  55" |  43" |  32" |  28" |  21" |
| PANEL | | | | | |
| Type | LED | LED | LED | LED | LED |
| Screen Size | 55 Inch | 21.5 Inch | 28 Inch | 32 Inch | 43 Inch |
| Active Display Area | 1,209.6mm(H) x 680.4mm(V) | 476.64mm(H) x 268.11mm(V) | 648.90mm(H) x 369.30mm(V) | 698.40mm(H) x 392.85mm(V) | 941.184mm(H) x 529.416mm(V) |
| Max. Resolution | 1920 x 1080 @ 60Hz | 1920 x 1080 @ 60Hz | 3840 x 2160 @ 60Hz | 1920 x 1080 @ 60Hz | 1920 x 1080 @ 60Hz |
| Brightness | 500cd/m ² | 220cd/m ² | 300cd/m ² | 250cd/m ² | 300cd/m ² |
| Contrast Ratio | 1400:1 | 1000:1 | 1000:1 | 1200:1 | 1200:1 |
| Viewing Angle(H/V) | 178°/178° | 170°/160° | 170°/160° | 178°/178° | 178°/178° |
| Frequency(H/V) | 31~67Khz / 49~60Khz | 30~80Khz / 50~75Khz | 30~80Khz / 50~75Khz | 30~80Khz / 50~75Khz | 30~80Khz / 50~75Khz |
| Response Time (G2G) | <8ms | <5ms | <5ms | <6.5ms | <8ms |
| INTERFACE | | | | | |
| Hybrid(AHD,TVI,CVI,CVBS) In/Out | - | - | - | 1/1 | 1/1 |
| HDMI In | 2(HDMI 2.0 x 1, 1.4 x 1) | 1 | 4(HDMI 2.0 x 1, 1.4 x 3) | 1 | 1 |
| Display Port | 1(1.2 Ver.) | - | 1(1.2 Ver.) | - | - |
| VGA Input | 1 | 1 | - | 1 | 1 |
| | 1/1* | - | - | - | - |
| Audio In/Out | - | 1/0 | 0/1 | 1/1 | 1/1 |
| BNC Video In/Out | - | 1/1 | - | 1/1 | 1/1 |
| RS232 In/Out | 1/1(RJ45) | - | - | - | - |
| USB | 1(S/W update) | - | - | - | - |
| GENERAL | | | | | |
| Outline Dimension(WxHxD) | 1,213.4mmx684.2mmx121.85mm (47.77"x26.94"x4.79") | 507.0mmx370.2mmx149.1mm (19.96"x14.56"x5.87") | 661.5mmx388.9mmx180.0 mm (26.04"x15.31"x7.09") | 741.2mmx472.9mmx180.0 mm (29.18"x18.62"x7.09") | 985.0mmx614.77mmx180.0 mm (38.78"x24.20"x7.09") |
| Bezel width (Spec. for VideoWall) | 3.5mm(Bezel to Bezel) | - | - | - | - |
| Net Weight/Gross Weight | 27.5Kg(60.62lb)/35Kg(77.16lb) | 3.8Kg(8.38lb)/4.8Kg(10.58lb) | 8.5Kg(18.73lb)/10.5Kg(23.15lb) | 12.5Kg(27.56lb)/15.6Kg(34.4lb) | 15.6Kg(34.4lb)/19.5Kg(42.99lb) |
| Material/Color | Metal / Black | Plastic / Black | Metal / Black | Metal / Black | Metal / Black |
| Warranty-Parts/Labor | 3 Year / 3 Year | 3 Year / 3 Year | 3 Year / 3 Year | 3 Year / 3 Year | 3 Year / 3 Year |
| MTBF | 50,000 Hours | 50,000 Hours | 50,000 Hours | 50,000 Hours | 50,000 Hours |
| Power Supply | AC100~240V(50/60Hz) | DC 12V, 3A(AC100~240V[50/60Hz]) | DC 12V, 5A(AC100~240V[50/60Hz]) | AC100~240V(50/60Hz) | AC100~240V(50/60Hz) |
| Power Consumption - Typical | 200W | 25.2W | 35W | 50W | 67W |
| - Stand by | <0.5W | <0.5W | <0.5W | <0.5W | <0.5W |
| Power Savings(DPMs) | Yes | Yes | Yes | Yes | Yes |
| Operating Temperature | 0°~40°C(32°F~104°F) | 0°~40°C(32°F~104°F) | -10°~50°C(14°F~122°F) | -10°~50°C(14°F~122°F) | -10°~50°C(14°F~122°F) |
| Storage Temperature | -10°~60°C(14°F~140°F) | -20°~60°C(-4°F~140°F) | -20°~60°C(-4°F~140°F) | -20°~60°C(-4°F~140°F) | -20°~60°C(-4°F~140°F) |
| Built-In Speaker | - | Yes(3Wx2) | Yes(5Wx2) | Yes(5Wx2) | Yes(5Wx2) |
| Remote Control | Yes | Yes | Yes | Yes | Yes |
| VESA Mount Size | 600mm x 400mm / M6 x 12 Screws | 100mm x 100mm / M4 x 6 Screws | 100mm x 100mm / M4 x 6 Screws | 200mm x 200mm / M6 x 10 Screws | 300mm x 300mm / M6 x 10 Screws |
| Operation Hours | 24/7 | 24/7 | 24/7 | 24/7 | 24/7 |
| Prevent Burn-In | Yes | Yes | Yes | Yes | Yes |

*DVI Port Pass through up to 10 X 10

NETWORK ACCESSORIES

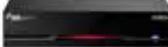
| | Network Keyboard | Long Range PoE Extender | Ethernet Over Coax Device | Single Port PoE Injector | Single Port PoE Injector | Single Port PoE Repeater |
|--------------|--|--|---|--|---|---|
| Model Name | NK-1200 | DA-LP1101R / DA-LP1101T | DA-EC3101R / DA-EC3101T | DA-PI2101 | DA-PI PoE75U | DA-PR1101 |
| Key Features | <ul style="list-style-type: none"> Remote control of NVRs, network video transmitters, network video receivers and network cameras via network connection Control of NVRs by using a USB mouse via network connection Two-way audio communication Convenient firmware upgrades via either the USB port or ethernet Firmware duplication and auto-recovery functions to enhance system stability Management of multiple network keyboards via network connection Programmable by using the LCD screen Supports PoE (IEEE 802.3af class 0) | <ul style="list-style-type: none"> Up to 500m PoE transmission between devices using UTP cabling Up to 700m DATA transmission between equipments using UTP cabling Plug-and-play without any required PC setting Supports 1Gbps / IEEE802.3at for PoE Injector Supports 1Gbps / IEEE802.3at / 100m for PoE Repeater | <ul style="list-style-type: none"> Makes it possible to install Full HD network cameras using existing coaxial cables Supports PoE (IEEE 802.3af, IEEE802.3at) Supports plug-and-play without setting up special IP addresses Supports data transfer up to 500m | <ul style="list-style-type: none"> Up to 30W of PoE power feeding on two pairs Compatible with IEEE 802.3af, IEEE 802.3at Protects low power devices to receive only the power they need Automatic detection and protection of non-standard ethernet terminals Parallel slide-in design for easy installation | <ul style="list-style-type: none"> Up to 75W of PoE Power Compatible with IEEE 802.3af, IEEE 802.3at Protects low power devices to receive only the power they need Automatic detection and protection of non-standard ethernet terminals Support 10/100/1000 Base-T Lan environment | <ul style="list-style-type: none"> Compatible with IEEE 802.3af Supports data transfer up to 130m distance A maximum distance of 230m can be achieved between the NVR and Camera via a DA-PR1101 Supports PoE switch off function via PoE On / Off switch Supports plug-and-play without setting up special IP addresses |

| | DirectIP Gigabit PoE Switch | | | | |
|--------------|---|--|--|--|--|
| Model Name | DH-2010P | DH-2018P | DH-2212PF | DH-2328PF | DH-2026PF |
| Key Features | <ul style="list-style-type: none"> Individual port for data transmission to DirectIP NVR PoE (IEEE 802.3af, IEEE 802.3at) compliant Maximum per-device PoE delivery of 70W available for 1 to 8 RJ45 ports Central power control for greater network utility Supports 8+2 RJ45 ports | <ul style="list-style-type: none"> Individual port data transmission to DirectIP NVR PoE (IEEE 802.3af, IEEE 802.3at) compliant Maximum per-device PoE delivery of 140W available for 1 to 16 RJ45 ports Central power control for greater network utility Supports 16+2 RJ45 ports | <ul style="list-style-type: none"> Individual port for data transmission to DirectIP NVR PoE (IEEE 802.3af, IEEE 802.3at) compliant Maximum per-device PoE delivery of 140W available for 1 to 8 RJ45 ports Central power control for greater network utility Supports 8+2 RJ45 ports and 2 SFP slots | <ul style="list-style-type: none"> Individual port data transmission to DirectIP NVR PoE (IEEE 802.3af, IEEE 802.3at) compliant Maximum per-device PoE delivery of 380W available for 1 to 24 RJ45 ports Central power control for greater network utility Supports 24 RJ45 ports and 4 SFP slots | <ul style="list-style-type: none"> Individual port data transmission to DirectIP NVR PoE (IEEE 802.3af, IEEE 802.3at) compliant Maximum per-device PoE delivery of 360W available for 1-24 RJ45 ports Central power control for greater network utility Supports 24 FE RJ45 ports and Uplink 2 GbE RJ45 / 2 GbE SFP combo slots |

NETWORK ACCESSORIES

| | SFP Transceiver | |
|--|-----------------|--|
| Model Name | FTLF1318P3BTL | FTLF8519P3BNL |
|  | | |
| <ul style="list-style-type: none"> Up to 10km on 9/125µm SMF Up to 1.25Gb/s bi-directional data links Hot-pluggable SFP footprint 1310nm Fabry-Perot laser transmitter Compatibility with DH series and DA-MC1101 | | <ul style="list-style-type: none"> Up to 500m on 50/125µm MMF, 300m on 62.5/125µm MMF Up to 2.125 Gb/s bi-directional data links Hot-pluggable SFP footprint 850nm Oxide VCSEL laser transmitter Compatibility with DH series and DA-MC1101 |

| | 4 Bay eSATA Storage | | | |
|------------------------|---|--|--|------------------------------|
| Model Name | DA-ES1104 | DA-ES1104B | DA-ES1104C | DA-ES1104D |
| Interface | | eSATA x 1 | | |
| Number of Drives | | SATA II x 4 | | |
| Drive Size | | 3.5" | | |
| Drive Type | | SATA II | | |
| Supported Device | TR-4308(R)/16(R) , DR-22/41/42/61/62xx NVR | DR-2304P(A)/08P(-A)/16P(-A), DR-4308P/16PS, DR-6308P-(S)A/16PS-(S)A/32PS-(S)A, DR-2404P(A), DR-6508P/16P/32P, TR-4408(R)/16(R), DR-6308P-(S)/16PS(S)/32PS(S), IR-300 | Up to 6TB: IR-100 Up to 10TB: DR-8364(F)(D) | Compatible Recorder :IR-300A |
| Type and Rate | | SATA II (3Gbps) | | |
| RAID | | 0, 1 + 0, 5 | | |
| Max Drive Capacity | 24TB (up to 6TB per bay) | 16TB (up to 4TB per bay) | 40TB (up to 10TB per bay) | 40TB (up to 10TB per bay) |
| Dimensions (W x H x D) | | 480mm x 44mm x 346mm (18.9" x 1.7" x 13.6") | | |
| Weight | | 6.4kg (14.11lb) | | |
| Operation Temperature | | 0°C ~ 45°C (32°F ~ 113°F) | | |
| Power Input | | 100V ~ 240VAC, 0.6-0.3A, 50/60Hz | | |
| Power Consumption | | 100-240V~, 50/60Hz, 0.6-0.3A, 40W | | |
| Approvals | | FCC, CE | | |

| | Encoder |
|--|---|
| Model Name | DE-1104, DE-1108 |
|  | |
| Video Compression | H.264 (MP), M-JPEG |
| Video Input | 4 BNC Composite (DE-1104) 8 BNC Composite (DE-1108) |
| Max. Video Resolution | D1: 720 x 480 / 720 x 576 (NTSC / PAL) 960H: 960 x 480 / 960 x 576(NTSC / PAL) |
| Frame Rate | 30fps @ 960H per Channel |
| Multi Streaming Video | Quadruple Stream |
| Max. Network Throughput | 48Mbps (DE-1104), 64Mbps (DE-1108) |
| Audio In / Out | 4 RCA / - |
| PTZ Support | Yes (RS485) |
| Trigger Events | Motion Detection Video Loss Tampering |
| PoE (Class) | Yes (IEEE 802.3af Class 3) |
| Power Source | 12VDC, PoE |
| Power Consumption | 12V =, 1.0A, 12W PoE, IEEE 802.3af (Class 3) |
| Approvals | FCC, CE |

| | HDMI/VGA Video Encoder |
|---|---|
| Model Name | HE-1101 |
|  | |
| Video codec | H.265, H.264, MJPEG, Intelligent Codec |
| Max. Framerate | 1920 x 1080 @ 30fps |
| Bitrate | Up to 12MP |
| Max Resolution | 1920 x 1080 |
| Streaming | Quadruple Streaming |
| Max.Network Throughput | 30Mbps |
| Built in OSD | English, Korean |
| Input | 1 x HDMI, 1 x VGA |
| Output | 1 x HDMI (Input Bypass) 1 x VGA (Input Bypass) |
| Network interface | 1 x RJ45 (10/100) |
| IP Camera Protocol | DirectIP, IDIS Protocol, ONVIF |
| Power source | 12VDC, PoE (IEEE 802.3af Class 2) |
| Power Consumption | 12V=, 0.46A, 5.52W PoE, IEEE 802.3af(Class 2) |
| Approvals | FCC, CE, KC |

| | Decoder |
|--|---|
| Model Name | DD-1216 |
|  | |
| Video Compression | H.265, H.264 |
| Video Input | 16ch IP |
| Video Input Resolution | Up to 12MP |
| Supported Devices | DirectIP NVR, IDIS IP Camera |
| Video Outputs | 1 HDMI, 1 VGA, 1 CVBS |
| Display Resolution | HDMI, VGA : 3840 x 2160, 2560 x 1440, 1920 x 1200, 1920 x 1080, 1680 x 1050, 1600 x 1200, 720 x 576, 420 x 480 CVBS : 640 x 480 |
| Display Speed | Up to 480ips |
| Max. Network Throughput | 90Mbps |
| Newtork Connection | Gigabit Ethernet x 1 |
| PoE (Class) | Yes (IEEE 802.3af Class 3) |
| Power Source | 12VDC, PoE |
| Power Consumption | 12V=, 1.03A, 12.7W PoE, IEEE 802.3af (Class 3) |
| Approvals | FCC, CE, KC |

| | Alarm Box |
|--|---|
| Model Name | AL-1112 |
|  | |
| Alarm Input | 8 Digital-Input -Dry contact, Wet contact High : Open or DC 5V ~ DC 30V Low : Short or DC 0V ~ DC 1.8V |
| Alarm Output | 4 Relay-out NC, NO, COMMON |
| Power Output | 12VDC (300mA), 5VDC (400mA) |
| Ethernet | 10/100Mbps |
| DirectIP Supported | Yes |
| USB | Yes (Spare) |
| PoE(class) | Yes (IEEE 802.3at Class 4) |
| Power source | 12VDC, 24VAC, PoE |
| Power Consumption | 12V=, 2.19A, 26.3W 24V=, 1.57A, 22.9W, 50/60Hz PoE, IEEE 802.3at(Class 4), 23W |
| Approvals | FCC, CE, KC |

NETWORK SOFTWARE

Integrated VMS Solution



IDIS Solution Suite Expert is a program that manages multiple NVRs and IP cameras for large-scale applications.

Administration

The IDIS Solution Suite Administration service module defines an IDIS Solution Suite system whereby all other service modules are registered to the module to enable centralised management of access privileges and device management, such as device FW upgrade, remote device configuration, and configuration of all the other IDIS Solution Suite service modules in use.

Monitoring

The IDIS Solution Suite Monitoring service module allows centralised event dispatch services allowing you to route a specific set of events to a specific (group of) user(s) based on the event types, schedule, and user groups. For example, system health-related events can be routed to maintenance department operators, while other events can be routed to loss prevention department operators.

Streaming

The IDIS Solution Suite Streaming service module allows up to 64 remote users to access live video stream.

Recording

The IDIS Solution Suite Recording service module is where video is recorded directly from IP cameras or IP video encoders. This module running on a PC server platform can be configured to utilise a centralised storage solution with a much bigger size, such SAS or iSCSI/SAN. In addition, it allows you to add up to 64 IDIS Solution Suite Recording service modules to your IDIS Solution Suite System.

Redundant

The IDIS Solution Suite Redundant recording module allows users to provide a tandem recording. Users can create redundant video in a separate server, which can be located in a remote location. In the event of the primary IDIS Solution Suite recording server being destroyed, your data is then protected in a remote location.

Backup

The IDIS Solution Suite Backup service module can be used to provide an offline backup of video. This service module allows you to choose a set of cameras to be archived on a pre-programmed schedule, which also enables you to archive your video, while minimising network traffic during your peak hours of operation. Further, the IDIS Solution Suite Backup service provides two additional options to maximise the data retention period of your offline backup storage; summary backup and event video only backup mode.

Video Wall

With the IDIS Solution Suite Video Wall service, you can address any camera from DirectIP NVRs, DirectCX TVRs, or DirectIP cameras recorded on the IDIS Solution Suite Recording server in a unified way using the network keyboard, NK-1100. Plus, you can furnish up to 384 monitors with the Video Wall service module.

Federation

IDIS Solution Suite Federation module works in a very similar way to the IDIS Solution Suite Administration service module by enabling you to create a federation of multiple IDIS Solution Suite systems. This service module allows for the centralised management of access privilege control over devices registered to multiple IDIS Solution Suite systems.

IDIS Solution Suite Federation also allows your video surveillance system to grow into a practically unlimited number of cameras. For example, each IDIS Solution Suite system can manage up to 1,024 devices, and each device can have up to 64 IP cameras (DR-8364). Each IDIS Solution Suite system can handle up to 64,000 cameras, and the IDIS Solution Suite Federation allows multiples of these systems.

Failover

IDIS Solution Suite Failover service modules provide service grade redundancy. The Failover services can be applied to different service modules, such as Administration, Federation, Recording, Streaming or Video Wall services.

If one of the PC servers fails or if one of the services is interrupted, the corresponding Failover module will take over the operation with minimal interruption. If the failed servers or services are recovered, the operation will recover and return to normal operation.

IDIS Client



IDIS Center is a central management software solution that supports live monitoring, video playback, as well as advanced management tools, including event monitoring, e-maps, and condition monitoring devices.



You can access a remote NVR, monitor live video images, and search recorded video using an iPhone, iPad, Android phone, and Android tablet PC any time from virtually anywhere.



IDIS Web is a program that allows you to view and search video from remote locations over the Internet and can be accessed on a regular web browser. IDIS Web can be downloaded from web browsers in ActiveX format.



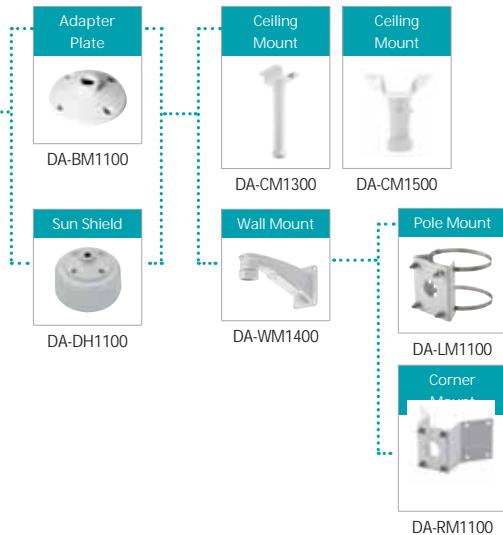
CAMERA CONFIGURATION TREE

- Adapter Plate · Mount Adapter · Box Housing · Sun Shield
- Junction Box · Flush Mount · Tilt Mount · Wall Mount
- Ceiling Mount · Pole Mount · Corner Mount

SPEED DOME (1)



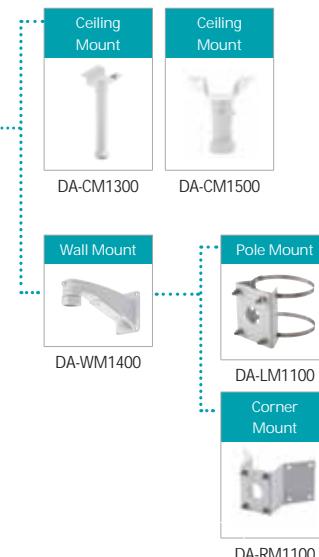
DC-S Series DC-S3283WHX



SPEED DOME (2)



DC-S Series DC-S6283HRXL, DC-S3583HRX, DC-S3883HRX
TC-S Series TC-S1283WHX



DOME (1)



DC-D Series DC-D3212RX-N, DC-D4212R

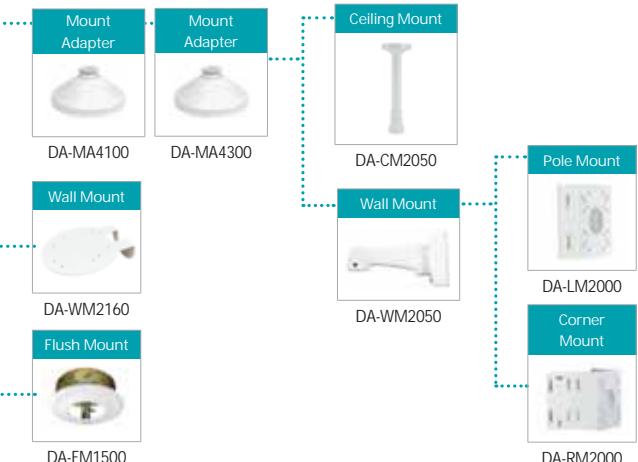
TC-D Series TC-D4211RX



DOME (2)



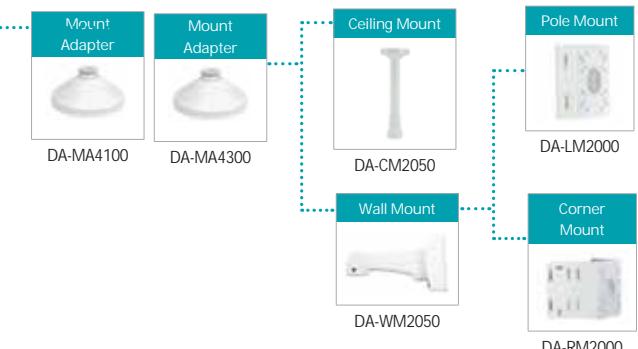
DC-D Series DC-D4223RX, DC-D4233RX, DC-D4533RX
TC-D Series TC-D5531RX, TC-D5532RX, TC-D5531RXP



DOME (2-1)



DC-D Series DC-D4236X, DC-D4236RX



DOME (3)



TC-D Series TC-D4222RX, TC-D4221RXP

DOME (4)



DC-D Series DC-D4213RX, DC-D4216X, DC-D4216RX, DC-D4513RX

TC-D Series TC-D5511RX

DOME (5)



DC-D Series DC-C4212RX

DOME (6)



DA-MA4100



DA-MA4300



DA-CM2050



DA-WM2050



DA-JB4600



DA-JB4700



DA-LM2000



DA-RM2000

DC-D Series DC-D4213WRX, DC-D4216WRX, DC-D4513WRX, DC-D4811WRX

DOME (7)



DA-MA4100



DA-MA4200



DA-CM2050



DA-FM1500



DA-WM2050



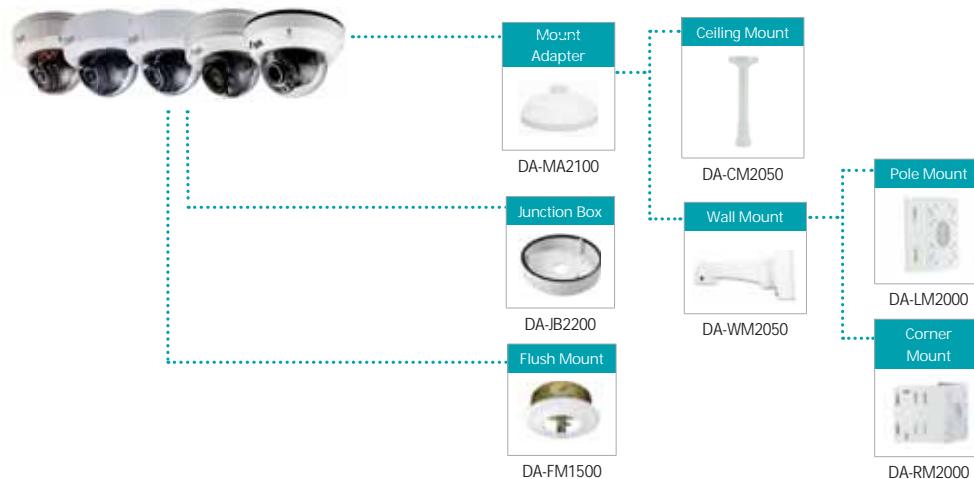
DA-LM2000



DA-RM2000

TC-D Series TC-D4222WRX, TC-D4221WRXP

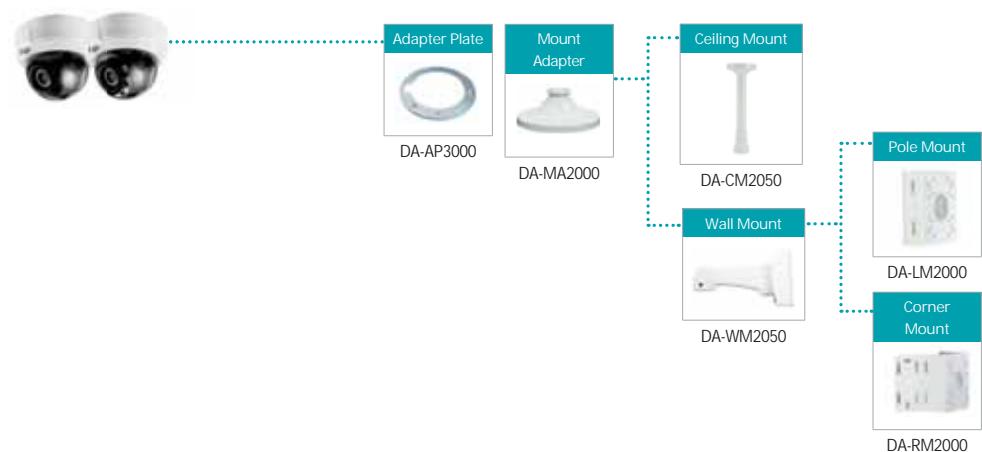
DOME (8)



DC-D Series DC-D3233WRX, DC-D4831HRX, DC-D4533HRX, DC-D4236HRX, DC-D4233HRX, DC-D4236WRX
DC-D4233WRX, DC-D4223WRX, DC-D3233RX, DC-D3233X

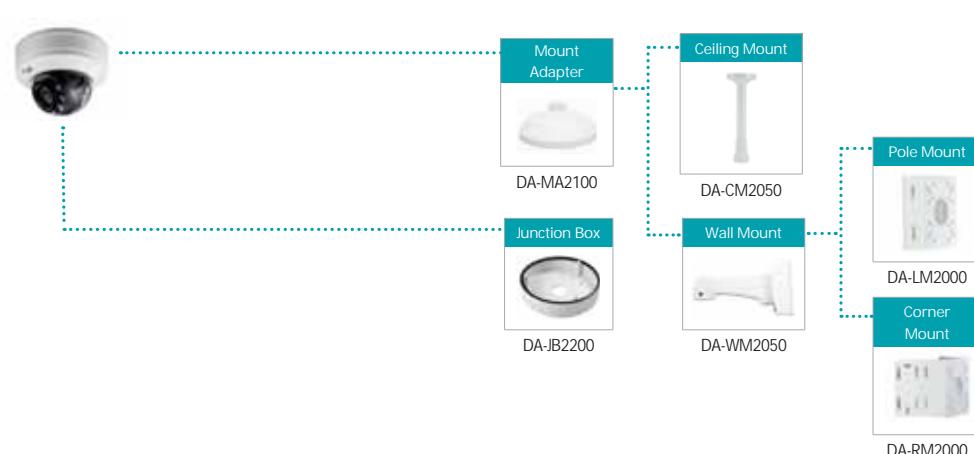
TC-D Series TC-D5532WRX, TC-D5531WRX, TC-D5531WRXP

DOME (9)



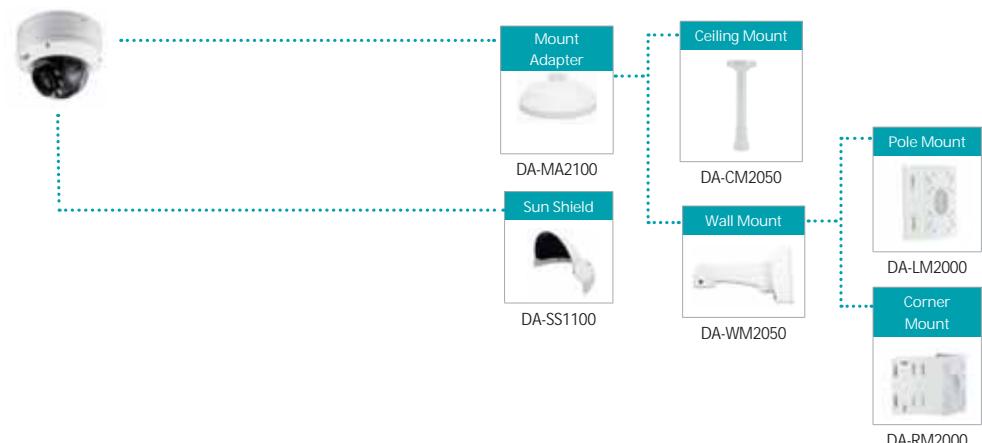
DC-D Series DC-D3233X-N, DC-D3233RX-N, DC-D6233X, DC-D6233RX

DOME (8-1)



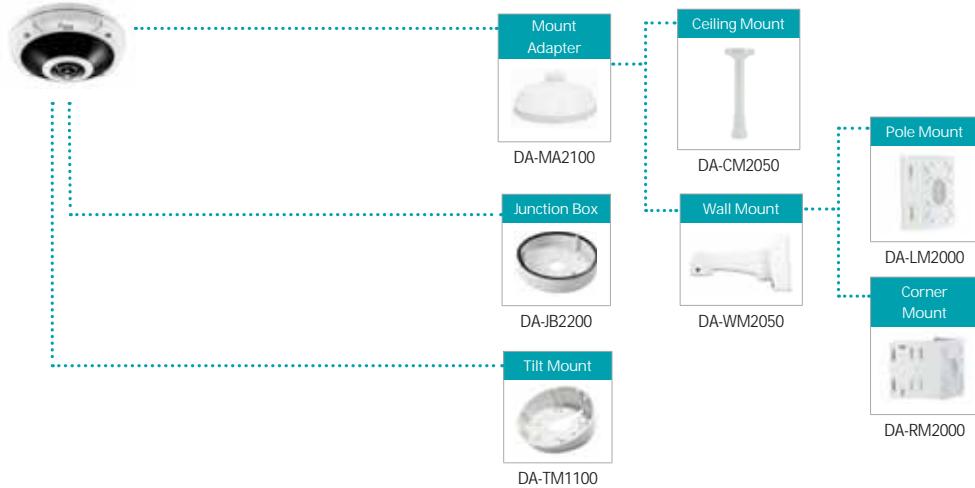
DC-D Series DC-D3533RX

DOME (10)



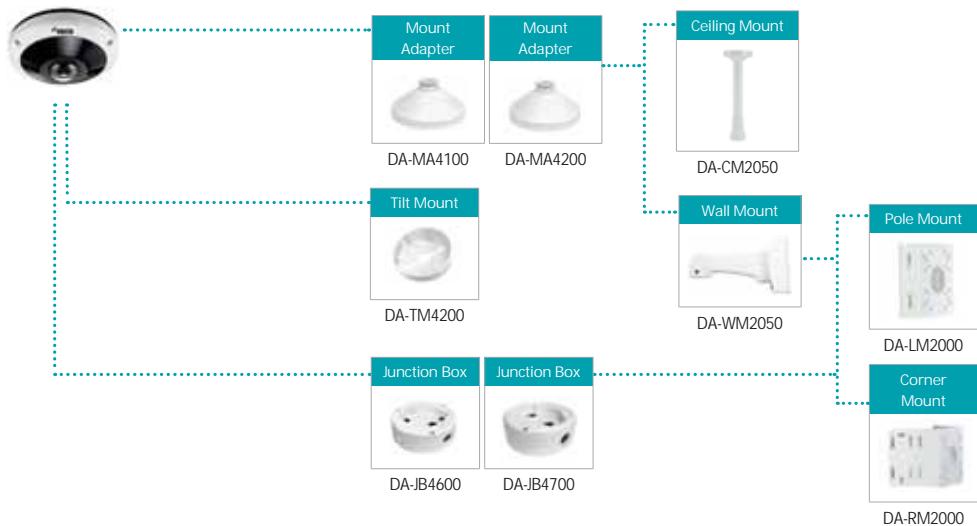
DC-D Series DC-D3C33HRX, DC-D3533HRX, DC-D3233HRXL / DC-D6233HRXL, DC-D3243HRX-N / DC-D6243HRX
DC-D3233HRX-N / DC-D6233HRX

FISHEYE (1)



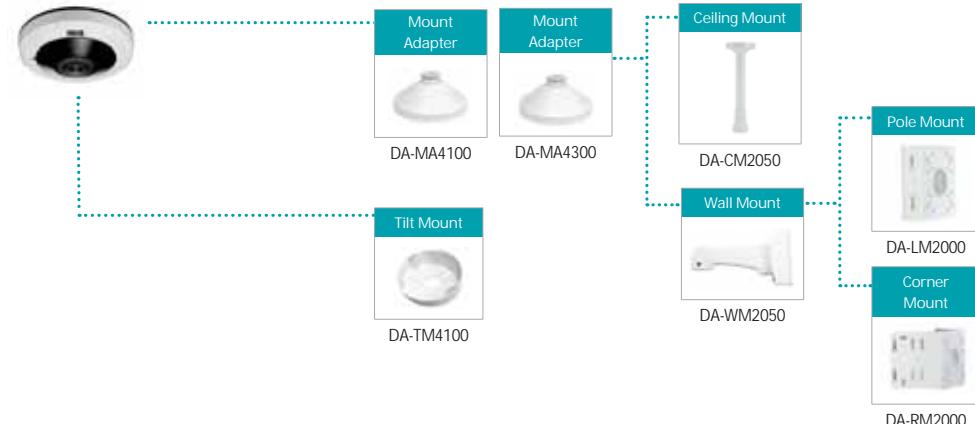
DC-Y Series DC-Y3C14WRX, DC-Y8C13WRX, DC-Y8C13RX

FISHEYE (3)



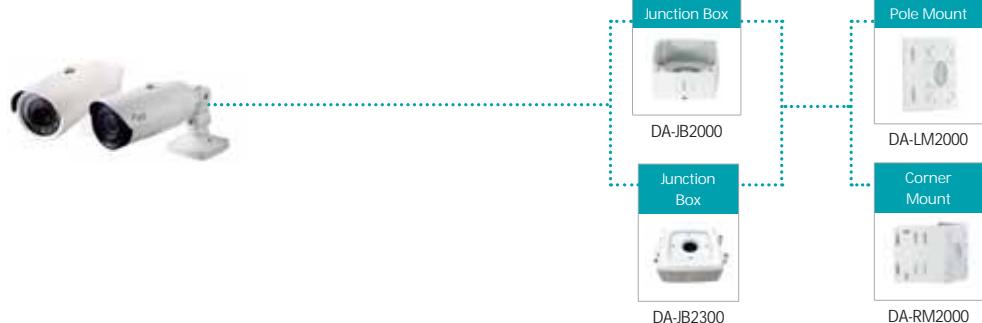
DC-Y Series DC-Y6513WRX

FISHEYE (2)



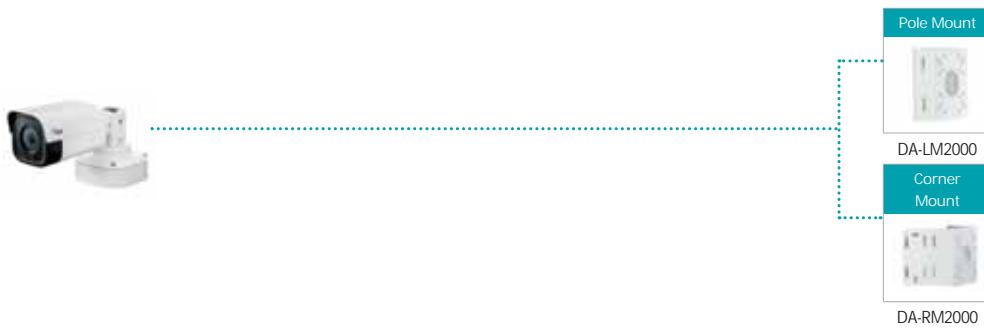
DC-Y Series DC-Y6513RX

BULLET (1)



DC-T Series DC-T3533HRX, DC-T3233HRXL / DC-T6233HRXL, DC-T3233HRX / DC-T6233HRX, DC-T3243HRX
DC-T6243HRX, DC-T3234HRX / DC-T6234HRX

BULLET (2)



DC-T Series DC-T3C33HRX

BULLET (4)



TC-T Series TC-T4222WRX, TC-T4221WRXP
TC-E Series TC-E4211WRX

BULLET (3)

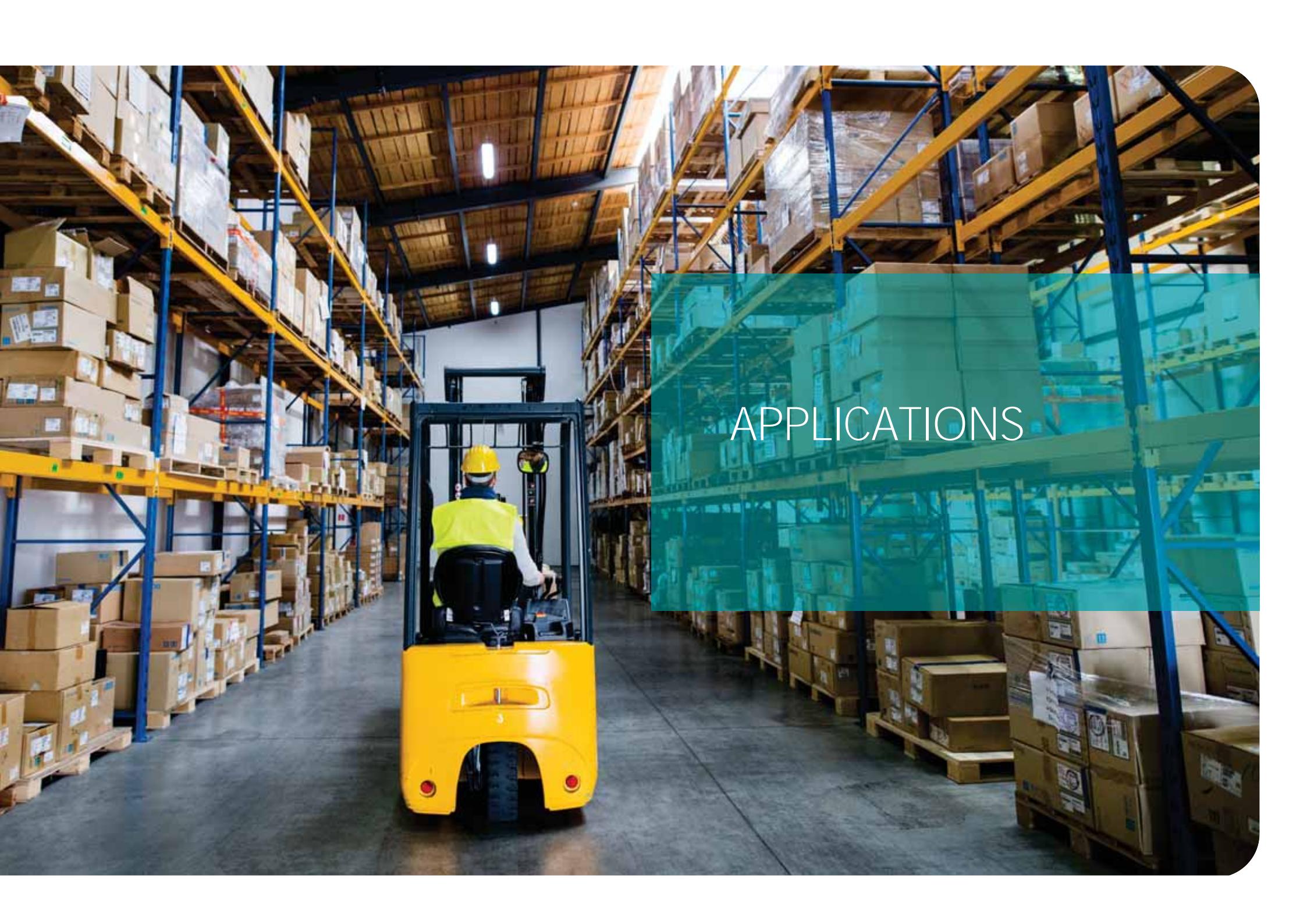


DC-E Series DC-E4513WRX, DC-E4216WRX, DC-E4213WRX
DC-T Series DC-T4831HRX, DC-T4533HRX, DC-T4236HRX, DC-T4233HRX, DC-T4236WRX, DC-T4233WRX, DC-T4811WRX
TC-T Series TC-T5532WRX, TC-T5531WRX, TC-T5531WRXP

BOX / ZOOM



DC-B Series DC-B3303X, DC-B6203XL
DC-Z Series DC-Z1263
TC-B Series TC-B5502X, TC-B5501X, TC-B5501XP, TC-B4202X, TC-B4201XP

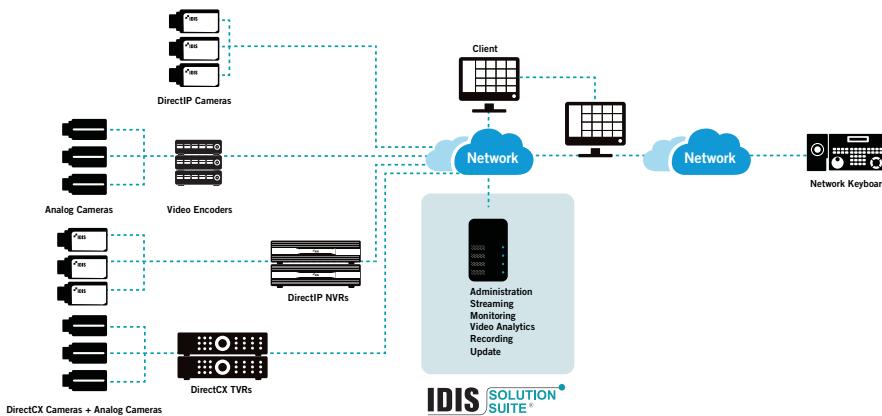


APPLICATIONS

APPLICATIONS

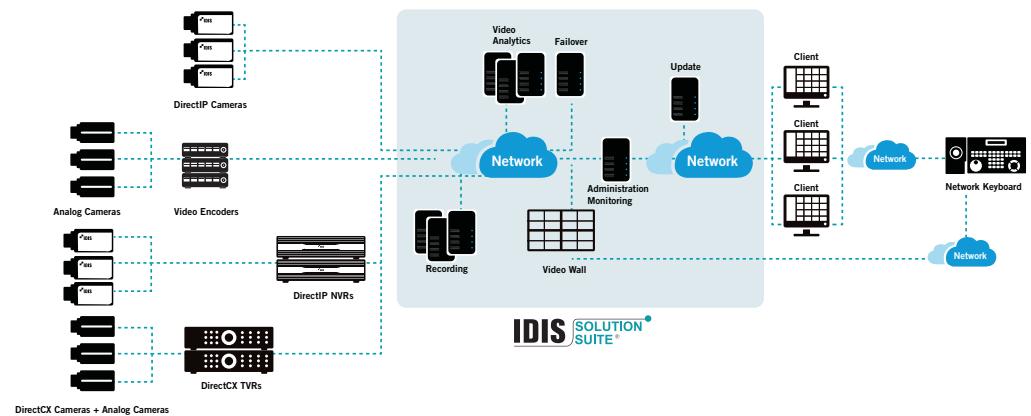
Small Business Installation

- Easy to install
- HD surveillance
- Affordable video solution



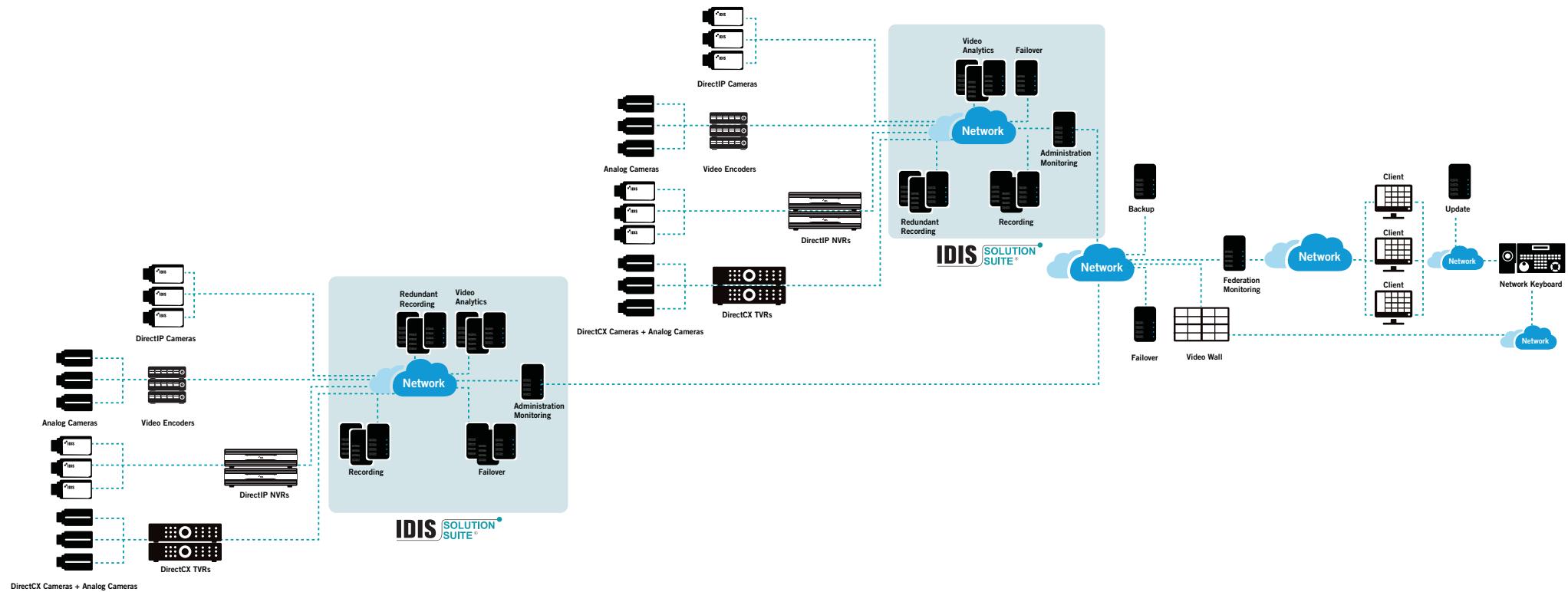
Medium Business Installation

- High performance
- Scalability with DirectIP Gigabit PoE Switch
- Cost effective
- One stop shop solution



Large Enterprise Installation

- Scalability with rich connectivity
- Flexibility enabling legacy and third-party system integration
- Simple integration with IDIS Center



2021

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