Product Brochure

www.idisglobal.com

IDIS SUPER FISHEYE

12MP/5MP

SUPER DEWARPING

Dual Side Dewarping

Mobile Dewarping

Smooth Dewarping

12 Megapixel IR 360° Dome Fisheye Camera | **DC-Y3C14WRX**

5 Megapixel 360° Dome Fisheye Camera | **DC-Y1514 / DC-Y1514W**

BENEFITS OF IDIS SUPER FISHEYE CAMERAS

Cost Savings on Equipment and Installation

Cover a wider area with a single 360° camera

By providing complete field of view coverage, this can significantly reduce the number of cameras required to cover a particular area, meaning less equipment costs and lower installation fees.

High Definition Images

12 or 5 megapixel high resolution

High resolution is required to capture a large area in detail. 12 or 5 megapixel (MP) image sensors enable clear identification from center to edge and from wall to wall, delivering very clear images.

Dual Side Dewarping Solution

Dewarping on-board the camera and on client PCs, mobile devices, or NVRs without a PC

IDIS Super Fisheyes support dewarping on the camera as well as on client applications (including smart phones). Network video recorder (NVR) dewarping is an ideal choice for a wide range of applications, such as retail shops, restaurants, and supermarkets. This offers customers a wide choice of recording platforms and video management software (VMS) options.

Storage Savings with IDIS Intelligent Codec

Delivers up to 90% savings on storage and bandwidth, providing faster and better searching of clearer images

See up to 90% storage savings via IDIS Intelligent Codec with Motion Adaptive Transmission (MAT). You get faster and smoother searches, which minimize distortion while you review complex scenes.

IR LED

IR distance up to 15m / 49.2ft

IR

The IDIS Super Fisheye has built-in IR LEDs (6ea), ensuring up to 15m / 49.2ft visibility at night. It also allows connection of an external illuminator and provides better night vision. (DC-Y3C14WRX only)

True WDR (120dB)

Easy to recognize who and what is there in every environment

True WDR

Supports true wide dynamic range (WDR) up to 120dB and provides clear images in various scenes even under difficult lighting conditions.

Communication

Internal microphone

Speakers connected to the built-in microphone of the camera can communicate with equipment, such as a microphone or speaker connected to an NVR, VMS, or mobile device, so two-way commnunication is possible.

Smart UX Controls v2.0

Groundbreaking agility, ease, and accuracy

IDIS “Quick Controls” consist of “Quick Save,” “Quick Find,” “Quick Dewarping,” “Quick Zoom,” and “Quick PTZ.” These revolutionary controls allow operators to dewarp any point of interest and even pan-tilt-zoom in a dewarping state.

Identify Any Point of Interest with IDIS Center

Provides an overview while maintaining details at the same time

64 Points of Interest

The IDIS Super Fisheye can simultaneously monitor and analyze up to 64 points of interest without any blind spots. The viewer is able to keep track of suspicious objects without missing critical information.

Quick and Easy to Install

Easy installation with DirectIP™ NVRs

The DirectIP true plug-and-play functionality and automatic network detection and device setup result in a system that is quick, easy, and cost effective to install.

Robust, Vandal Resistant, and Weatherproof

IK10 / IP66, IP67 support

Certified with the highest-class durability, the IDIS Super Fisheye delivers stable surveillance even in the toughest of environments. (IP67 on DC-Y3C14WRX only. Vandal resistant and weatherproof on “W” models only.)

QUICK AND EASY TO INSTALL

Easy Installation with DirectIP NVRs

Using IDIS NVRs, customers can benefit from fast and cost-effective installation and an optimized user-friendly interface. DirectIP enables easy and rapid installation for installers and end users and ensures the rich connectivity of IDIS products. This IDIS flagship offering takes a revolutionary approach to surveillance — one that is truly plug-and-play, single-source, and highly affordable — comprising a range of cameras, NVRs, and monitors. The DirectIP solution offers 4K Ultra High Definition (UHD) and support for H.265 with IDIS Intelligent Codec.

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.

*Feasibility of NVR side dewarping varies depending on the model.

AWARD-WINNING, GROUNDBREAKING AGILITY, EASE OF USE, AND ACCURACY

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).

IDIS "Quick Controls" consist of "Quick Save," "Quick Find," "Quick Dewarping," "Quick Zoom," and "Quick PTZ." These revolutionary controls allow operators to dewarp any point of interest and even pan-tilt-zoom in a dewarping state.

"Quick Find" enables users to drag a saved image to a desired camera channel and view recorded video from the time of saving quickly and with little effort. "Quick Dewarping" allows operators to use the CTRL button with a combination of left, right, and wheel mouse clicks to enable ePTZ, image reset, and zoom in and out functionality to significantly speed up and simplify operation.

UP TO 90% STORAGE SAVINGS

Delivers Up to 90% Savings on Storage and Bandwidth, Providing Faster and Better Searching of Clearer Images

The IDIS 12MP Super Fisheye supports H.265 and IDIS Intelligent Codec.

IDIS Intelligent Codec is advanced compression technology that dramatically enhances IDIS's complete H.265 range of IP cameras and NVRs, which already deliver up to 50% bit rate reduction savings on storage space and network bandwidth. IDIS Intelligent Codec delivers up to 30% bit rate reduction on top of H.265, achieving a total of 65% reduction for users. By leveraging IDIS Motion Adaptive Transmission (MAT) technology — which reduces the bit rate during live surveillance periods without movement — IDIS delivers a further reduction. From an H.264 baseline, IDIS Intelligent Codec plus MAT delivers a total savings of up to 90%, depending on scene and resolution.

IDIS Intelligent Codec makes the complete IDIS H.265 range cost-effective, ensuring IDIS's signature low total cost of ownership. The implementation of dual codecs (H.264/H.265) across IDIS's entire H.265 range (including cameras, NVRs, and mobile apps) allows users to use H.264 for live monitoring while utilizing H.265 for recording, reducing storage requirements. This allows users of IDIS technology to enjoy the full benefits of IDIS Intelligent Codec and ensures the IDIS H.265 range is backward compatible with prior IDIS technology, fulfilling the IDIS promise of futureproof video surveillance.

H.264

H.265
(Saves up to 50%)

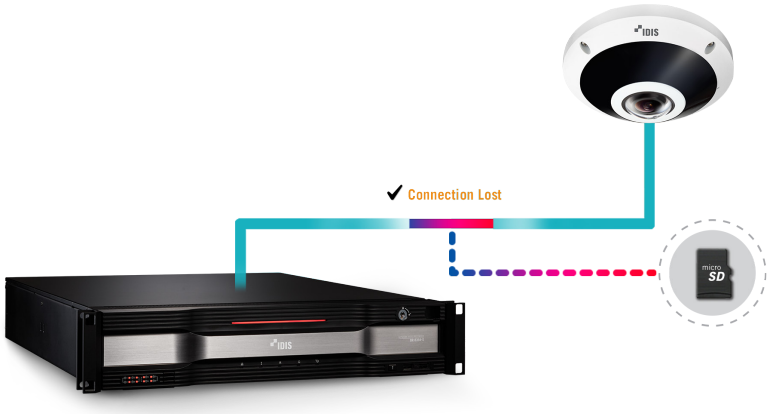
H.265 IDIS Intelligent Codec
(Saves up to 65%)

H.265 IDIS Intelligent Codec with MAT
(Saves up to 90%)

SMART FAILOVER

Seamless Recording Even After Network Failure

When the NVR and IP camera are disconnected, the camera's SD card instantly begins recording and automatically transfers the data to the NVR after recovery, leaving no incident unrecorded.



Seamless Recording

When the NVR and IP camera are disconnected, the camera's SD card instantly begins recording and automatically transfers the data to the NVR after recovery, leaving no incident unrecorded.

24 Hours Smart Save

A 32GB SD card will record at a pre-configured profile until 50% of the card's capacity is used, after which the IP camera automatically controls recording profiles to guarantee recording.

5MP Vandal Resistant Fisheye Camera

DC-Y1514 / DC-Y1514W

- Easy installation with DirectIP NVR
- 5MP (2560 x 2048) resolution
- Fixed-focal lens (f = 1.45mm)
- micro SD / SDHC / SDXC, Smart Failover
- Two-way audio
- Alarm in / out
- Vandal proof / IP66 supports
- PoE (IEEE 802.3af Class 3), 12VDC
- Day and night (ICR)
- Various viewing
- 6 dewarping view modes
- Supports ONVIF

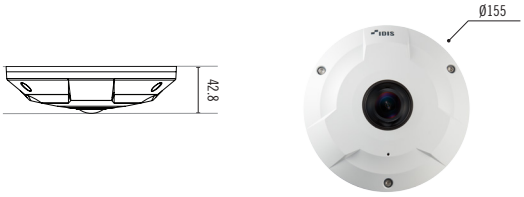
SPECIFICATIONS

VIDEO		
Image Sensor	1/1.8" CMOS	
Max. Resolution	2560 x 2048	
Scanning Mode	Progressive Scan	
Lens Type	Fixed-focal	
Focal Length	f = 1.45mm	
Aperture	F2.2	
Iris Control	Fixed Iris	
Angular Field of View	180° (H), 180° (V), 180° (D)	
Pan / Tilt Range	-	
Min. Illumination	Color : 0.8 Lux @ F2.2 B/W : 0.003 Lux @ F2.2	
Dynamic Range	More than 70dB (90dB @ Digital WDR)	
Electronic Shutter Speed	Auto / Manual (1/30 ~ 1/8000), Anti-flicker, Slow Shutter (1/7.5, 1/15)	
Day and Night	IR Cut Filter with Auto Switch	
IR Distance (LEDs)	-	
Image Setting	Configurable Exposure, White Balance, Sharpness	
Digital Noise Reduction	Configurable 2DNR/3DNR	
Backlight Compensation	On / Off / HSBLC	
Image Stabilizer	-	
Privacy Masking	16 Zones	
Intelligent Video	Video Motion Detection, Active Tampering Alarm, Trip Zone	
Viewing Composition	1O, 1P, 1P2R, 2P, 4R, 1O7R	
Video Out	-	
NETWORK		
	DirectIP Mode	**Compatibility Mode**
Video Compression	H.264 (MPEG-4 Part 10 / AVC), M-JPEG	
Intelligent Codec	Supported	
Bitrate Control	H.264 - VBR	
Max. Frame Rate	30ips : 2560 x 2048	
Audio Compression	G.726, G.711	
Two-way Audio	Yes	
IP Camera Protocol	DirectIP	IDIS ONVIF Profile S
Supported Resolution	2560 x 2048, 1536 x 1536, 640 x 512, 512 x 512	2560 x 2048, 1280 x 1024, 640 x 512, 2048 x 2048, 2048 x 1024, 1536 x 1536, 1024 x 1024, 1024 x 512, 512 x 512
Multi-video Streaming	Quadruple Streaming	Hextuple Streaming
Network Protocols	DirectIP Protocol	RTP/RTSP/TCP, RTP/RTSP/HTTP/TCP, RTP/UDP RTSP/TCP, HTTP, HTTPS, FTP, SNTP, SMTP, FEN, mDNS, uPNP
Security	SSL Encryption	Multi-user Authority, IEEE 802.1x IP Filtering, HTTPS, SSL Encryption
Remote Access Client	DirectIP NVR Connection	IDIS Web, IDIS Mobile, IDIS Solution Suite
Ethernet	RJ45 (10/100/1000 BASE-T)	
Recording Session Buffer	Yes (Up to 100MB)	
Edge Storage	micro SD / SDHC / SDXC, Smart Failover	
ALARM AND EVENT		
Trigger Event	Motion Detection, Alarm In, Audio Detection, Tampering, Trip Zone	
Event Notification	Remote S/W, Email (With Image)	
Audio In / Out	Line-in 1ea + Internal Mic 1ea / Line-out 1ea	
Alarm In / Out	Input 1ea / Output 1ea	
ENVIRONMENTAL		
Vandal Resistance	- (DC-Y1514) / IK10 (DC-Y1514W)	
Outdoor Ready	- (DC-Y1514) / IP66 (DC-Y1514W)	
Operating Temperature	-10°C ~ +50°C (+14°F ~ +122°F) *Starting Up at Above 0°C (32°F)	
Operating Humidity	0% ~ 90%	
ELECTRICAL		
Power Source	12VDC, PoE (IEEE 802.3af Class 3)	
Power Consumption	7.56W	
Approvals	FCC, CE, KC	
MECHANICAL		
Dimensions	Ø155mm x 43.0mm (Ø6.10" x 1.69") (DC-Y1514) Ø155mm x 48.3mm (Ø6.10" x 1.90") (DC-Y1514W)	
Weight	0.58kg (1.28lb) (DC-Y1514) 0.59kg (1.31lb) (DC-Y1514W)	

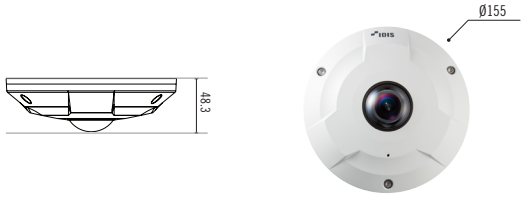
DIMENSIONS

(Unit - mm)

DC-Y1514

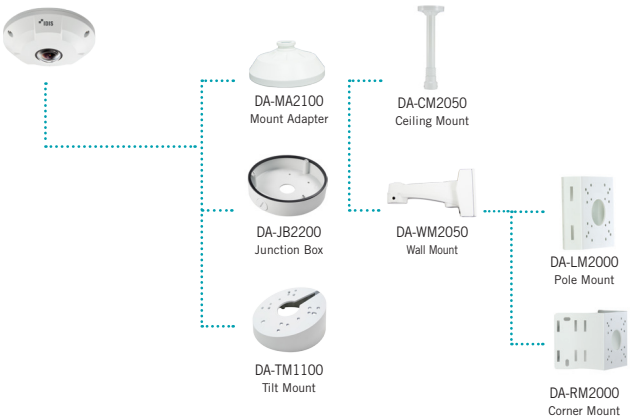


DC-Y1514W



ACCESSORIES (OPTIONAL)

ACCESSORIES CONFIGURATION TREE



12MP IR Vandal Resistant Fisheye Camera

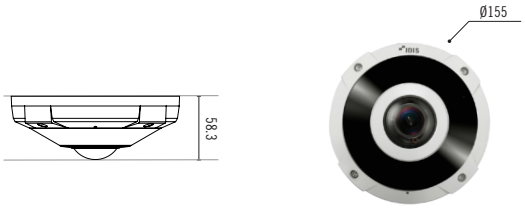
DC-Y3C12WRX

SPECIFICATIONS

VIDEO		
Image Sensor	1/1.7" 12MP CMOS	
Max. Resolution	3200 x 3008	
Scanning Mode	Progressive Scan	
Lens Type	Fixed-focal	
Focal Length	f = 1.98mm	
Aperture	F2.8	
Iris Control	Fixed Iris	
Angular Field of View	180° (H), 174.8° (V), 180° (D)	
Pan / Tilt Range	-	
Min. Illumination	Color : 0.2 Lux @ F2.8 B/W : 0 Lux (IR LED On)	
Dynamic Range	More than 120dB (True WDR)	
Electronic Shutter Speed	Auto / Manual (1/30 ~ 1/10000), Anti-flicker, Slow Shutter (1~1/5, 1/7.5, 1/15)	
Day and Night	IR Cut Filter with Auto Switch	
IR Distance (LEDs)	15m / 49.2ft (6ea)	
Image Setting	Configurable Exposure, White Balance, Sharpness	
Digital Noise Reduction	Configurable 2DNR/3DNR	
Backlight Compensation	On / Off / HSBLC	
Image Stabilizer	-	
Privacy Masking	8 Zones	
Intelligent Video	Video Motion Detection, Active Tampering Alarm, Trip Zone	
Viewing Composition	1O, 1P, 1P2R, 2P, 4R, 1O7R	
Video Out	-	
NETWORK		
	DirectIP Mode	**Compatibility Mode**
Video Compression	H.265, H.264 (MPEG-4 Part 10/AVC), M-JPEG	
Intelligent Codec	Supported	
Bitrate Control	H.264 - CBR / VBR, H.265 - CBR / VBR	
Audio Compression	G.726, G.711	
Two-way Audio	Yes	
IP Camera Protocol	DirectIP	IDIS ONVIF Profile S
Max. Frame Rate	30ips : 3200 x 3008 15ips : 3200 x 3008 (WDR)	30ips : 3200 x 3008 15ips : 3200 x 3008 (WDR)
Supported Resolution	3200 x 3008, 1600 x 1504, 800 x 752	3200 x 3008, 2400 x 2256, 3200 x 1504, 1600 x 1504, 1600 x 752, 800 x 752
Multi-video Streaming	Quadruple Streaming	Hextuple Streaming
Network Protocols	DirectIP Protocol	RTP/RTSP/TCP, RTP/RTSP/HTTP/TCP, RTP/UDP RTSP/TCP, HTTP, HTTPS, FTP, SNTP, SMTP, FEN, mDNS, uPNP
Security	SSL Encryption	Multi-user Authority, IEEE 802.1x IP Filtering, HTTPS, SSL Encryption
Remote Access Client	DirectIP NVR Connection	IDIS Web, IDIS Mobile, IDIS Solution Suite
Ethernet	RJ45 (10/100/1000 BASE-T)	
Recording Session Buffer	Yes (Up to 60MB)	
Edge Storage	micro SD / SDHC / SDXC, Smart Failover	
ALARM AND EVENT		
Trigger Event	Motion Detection, Alarm In, Audio Detection, Tampering, Trip Zone	
Event Notification	Remote S/W, Email (With Image)	
Audio In / Out	Line-in 1ea + Internal Mic 1ea / Line-out 1ea	
Alarm In / Out	Input 1ea / Output 2ea	
ENVIRONMENTAL		
Vandal Resistance	IK10	
Outdoor Ready	IP67	
Operating Temperature	-10°C ~ +60°C (+14°F ~ +140°F) *Starting Up at Above 0°C (32°F)	
Operating Humidity	0% ~ 90%	
ELECTRICAL		
Power Source	12VDC, PoE (IEEE 802.3af Class 3)	
Power Consumption	12.6W	
Approvals	FCC, CE, KC	
MECHANICAL		
Dimensions	Ø155.0mm x 58.3mm (Ø6.10" x 2.29")	
Weight	0.92kg (2.03lb)	

DIMENSIONS

(Unit - mm)

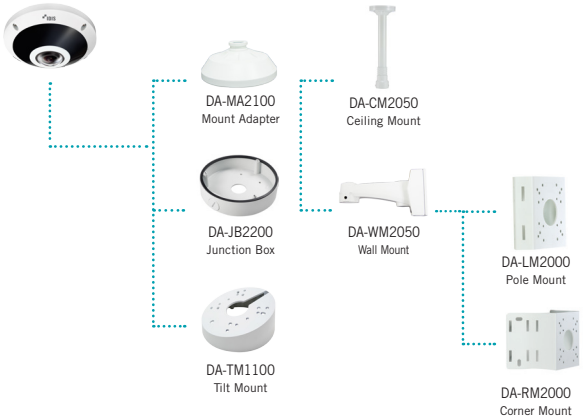


ACCESSORIES (OPTIONAL)

DA-MA2100 DA-CM2050 DA-WM2050 DA-JB2200

DA-LM2000 DA-RM2000 DA-TM1100

ACCESSORIES CONFIGURATION TREE



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