



5 Megapixel 360° Dome Fisheye Camera | DC-Y1513W / DC-Y1514W



Introducing the new IDIS Fisheye Camera, featuring groundbreaking dual side dewarping, outstanding panoramic image quality, and simple plug-and-play installation to deliver the ultimate in surveillance efficiency and performance.



BENEFITS OF IDIS 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.



Dual Side Dewarping Solution

Dewarping on-board the camera and on client PC/mobile devices

IDIS Fisheye cameras support dewarping on the camera as well as on client applications (including smartphones). This offers customers a wide choice of recording platforms and VMS options.



Identify Any Point of Interest

Provides an overview while maintaining details at the same time

IDIS Fisheye cameras can simultaneously monitor and analyze up to 256 points of interest without any blind spots. The viewer is able to keep track of suspicious objects without missing critical information.



Supports High Quality Close-up Shots

Digital zooming and multi-panoramic views

The high-resolution images from the IDIS Fisheye make it possible for operators to quickly digitally zoom and pan into portions of the image, with no physical camera movement.



High Definition Images

5 megapixel high-resolution

The IDIS Fisheye delivers 5 megapixel (MP) high resolution images that are more useful for operators, providing more detail and wider coverage than standard resolution cameras.



Robust, Vandal-resistant, and Weatherproof

IK10/IP66 support

Certified with the highest-class durability, IDIS Fisheye cameras deliver stable surveillance even in the toughest of environments.

Quick and Easy to Install

Easy installation with DirectIP network video recorders (NVRs)

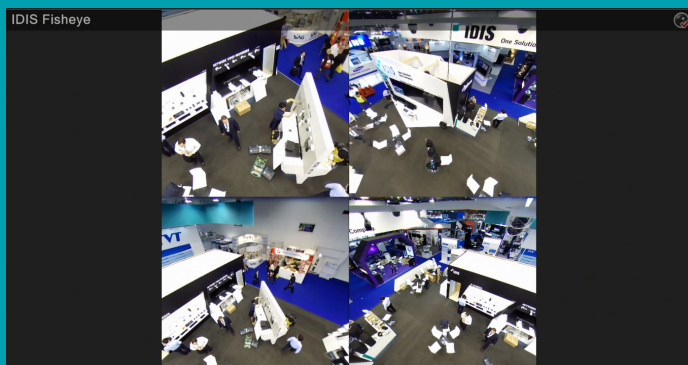
The DirectIP™ true plug-and-play functionality and automatic network detection and device setup result in a system that is quick, easy and cost effective to install.

Direct IP™

IDIS Dual Side Dewarping Solution

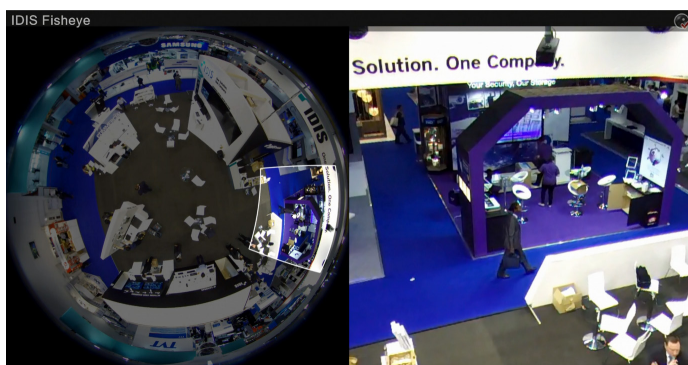
On-board Camera and Client PC / Mobile Devices

Since image dewarping is done either on-board the IDIS Fisheye Camera or via client-side software (including our smartphone application), this enables customers to choose from a wide variety of recording platforms and video management software (VMS) options.



Camera-side Dewarping

Dewarping on-board the camera enables highly efficient storage management, allowing customers to keep costs down by utilizing a NVR-based solution without the need for PC-based dewarping software.



Client-side Dewarping

Client-side dewarping allows for retrospective viewing, enabling operators to go back in time to view the total scene in its original form and then pan, tilt, and/or zoom within the 360-degree image as desired. This high-performance dewarping also provides the ability for multiple clients to view the same source image from different perspectives, concurrently.



Mobile Device Dewarping

The IDIS mobile application allows users to conveniently access their surveillance system while on the move and view distortion-free dewarped images from anywhere and at any time. This provides an additional level of usability for integrators and end users on the go.

QUICK AND EASY TO INSTALL

Easy Installation with DirectIP NVRs

Using the IDIS range of 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.

IDIS DirectIP Solution

This IDIS flagship offering takes a revolutionary approach to HD surveillance—one that is truly plug-and-play, single-source, and highly affordable—comprising a range of HD cameras, NVRs, and monitors. The DirectIP solution offers 4K UHD and support for H.265.

CONVENIENT FUNCTIONS



Day and Night (ICR)

The IDIS Fisheye Camera delivers a clear subject image across a range of conditions from broad daylight to pitch-dark night, while offering ICR functionality.

Micro SD (SDXC)

Storage on both Micro SD and SDXC provides customers with a simple to use and cost-effective storage capability. It also allows operators to view video footage using various mini appliances.

Alarm In and Out

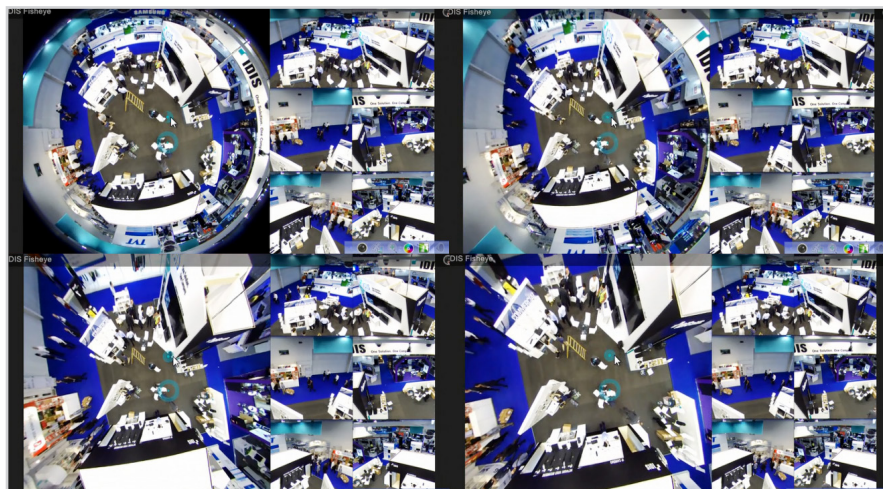
By utilizing an intuitive alarm setup, operators can quickly respond to a threat or incident when an event occurs.

EASILY IDENTIFY ANY POINT OF INTEREST

Digital Zooming and Multi-panoramic Views

ePTZ

Zoom In and Out / Pan / Tilt



The IDIS Fisheye Camera can simultaneously monitor and analyze up to 256 points of interest without any blind spots. Viewers can easily control and monitor the image with IDIS's Smart ePTZ function.

Users are able to pan the image at different speeds and in different directions. ePTZ functionality is available for both live view and playback modes with no latency or delay. This high-performance dewarping is made possible through an incredibly powerful graphics processing unit and an industry-leading throughput of 30 frames per second.

Zoom In and Out



Pan



Tilt



DC-Y1513W / DC-Y1514W

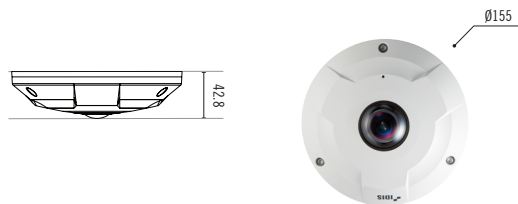
SPECIFICATIONS

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	H: 180° / V: 180° / D: 180°
Pan / Tilt Range	-
Min. Illumination	Color : 0.8 lux @ F2.2 B/W : 0.003 lux @ F2.2
S/N Ratio	More than 45dB
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 / HSLC
Image Stabilizer	-
Privacy Masking	16 Zones
Intelligent Video	Video Motion Detection, Active Tampering Alarm, Trip Zone
Viewing Composition	10, 1P, 1P2R, 2P, 4R, 107R
Video Out	-
NETWORK	
	DirectIP Mode Compatibility Mode
Video Compression	H.264 (MPEG-4 Part 10/AVC), M-JPEG
Bitrate Control	H.264 - VBR
Max. Frame Rate	30fps : 2560x2048
Audio Compression	G.726, G.711
Two-way audio	Yes
IP Camera Protocol	DirectIP IDIS ONVIF Profile S
Supported Resolution	2560x2048, 1536x1536, 640x512, 512x512 2560x2048, 1280x1024, 640x512, 2048x2048, 2048x1024, 1536x1536, 1024x1024, 1024x512, 512x512
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, SMTP, SFTP, 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 (10/100/1000BASE-T)
Edge Storage	micro SD/SDHC/SDXC
ALARM AND EVENT	
Trigger Event	Motion Detection, Alarm In, Audio Detection, Tampering, Trip Zone
Event Buffering (Pre and Post)	Yes (up to 100MB)
Event Notification	Remote S/W, Email (with Image)
Audio In / Out	Line-in 1ea / Line-out 1ea (DC-Y1513W) Line-in 1ea + Internal Mic 1ea / Line-out 1ea (DC-Y1514W)
Alarm In / Out	Input 1ea / Output 1ea
ENVIRONMENTAL	
Vandal Resistance	Yes
Outdoor Ready	IP66
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	Ø155.0mm x 48.3mm (Ø6.10" x 1.90")
Weight	0.59 kg (1.31 lb)

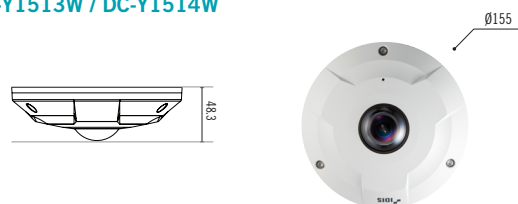
DIMENSIONS

(Unit - mm)

DC-Y1513 / DC-Y1514



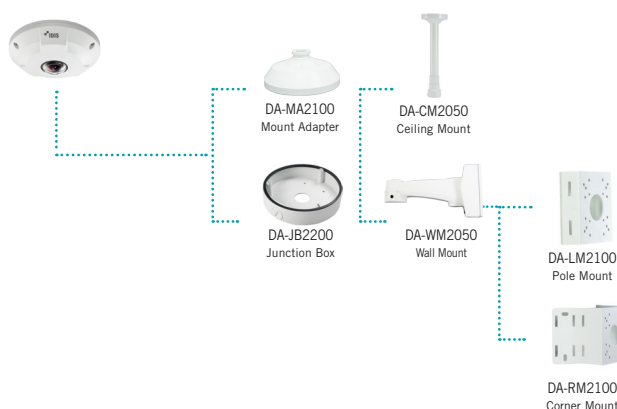
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ACCESSORIES (OPTIONAL)



ACCESSORIES CONFIGURATION TREE



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