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.

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.

IR LED
IR distance up to 15m / 49.2ft

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.

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.

Identify Any Point of Interest with IDIS Center
Provides an overview while maintaining details at the same time

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.

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.

High Definition Images
5 megapixel high resolution

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

Storage Savings with IDIS Intelligent Codec
Delivers up to 90% savings on storage and bandwidth, providing faster and better searching of clearer images
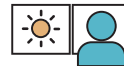
See up to 90% storage savings via IDIS Intelligent Codec with Motion Adaptive Transmission (MAT). You get faster and smoother searches, which minimize distortion while you review complex scenes.

True WDR (120dB)
Easy to recognize who and what is there in every environment

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

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.

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.

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.

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 5MP 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.

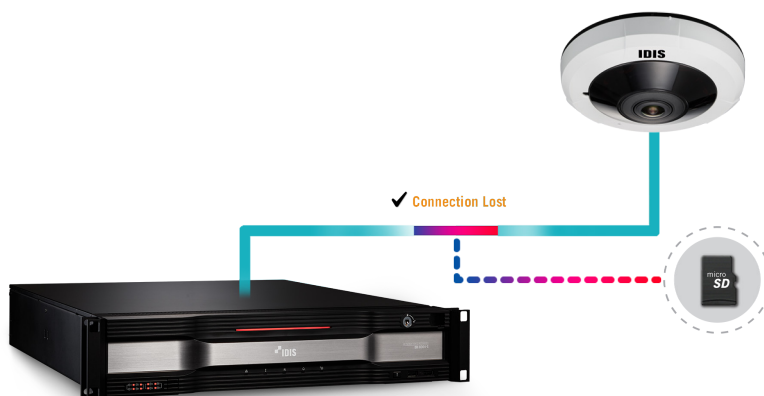| H.264	H.265 (Saves up to 50%)	H.265 **IDIS** Intelligent Codec (Saves up to 65%)	H.265 **IDIS** Intelligent Codec with MAT (Saves up to 90%)

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.

✔ Connection Lost

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.
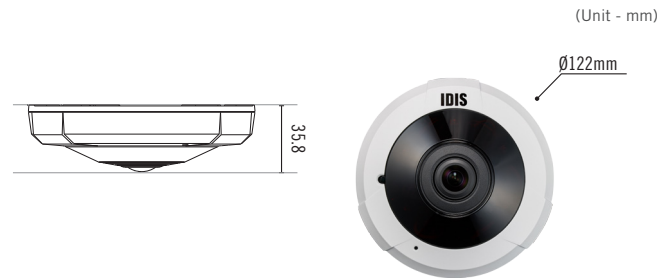
5MP IR Fisheye Camera

DC-Y6513RX

SPECIFICATIONS

VIDEO

Image Sensor	1/2" CMOS
Max. Resolution	2560 x 2048
Scanning Mode	Progressive Scan
Lens Type	Fixed-focal
Focal Length	1.5mm
Aperture	F1.8
Iris Control	Fixed Iris
Angular Field of View	180°(H), 180°(V), 180°(D)
Pan / Tilt Range	-
Min. Illumination	Color: 0.5 lux @ F1.8 B/W: 0 lux (IR LED On)
Dynamic Range	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, Heatmap
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	ADPCM 16K, G.726, G.711 u-Law, G.711 a-Law	
Two-way Audio	Yes	
IP Camera Protocol	DirectIP	IDIS ONVIF Profile S
Max. Frame Rate	30ips : 2560 x 2048 (WDR)	30ips : 2560 x 2048 (WDR)
Supported Resolution	2560 x 2048, 640 x 512	2560 x 2048, 1920 x 1536, 2560 x 1024, 1280 x 1024, 1280 x 512, 640 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 (10/100BASE-T)	
Recording Session Buffer (NLTSrec)	Yes (Up to 60MB)	
Edge Storage	micro SD/SDHC/SDXC, Smart Failover (Up to 256GB)	

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	-
Outdoor Ready	-
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), 7.5W
Power Consumption	12V, 0.62A, 7.5W
Approvals	FCC, CE, KC

MECHANICAL

Dimensions	Ø122 x 35.8mm (Ø4.80" x 1.40")
Weight	285g (0.63 lb)

DIMENSIONS

(Unit - mm)

Ø122mm

35.8

ACCESSORIES (OPTIONAL)

DA-MA2100	DA-CM2050	DA-WM2050	DA-JB2200
DA-LM2000	DA-RM2000	DA-TM4100	DA-AP4100

ACCESSORIES CONFIGURATION TREE

- DA-AP4100 Adapter Plate
- DA-MA2100 Mount Adapter
- DA-CM2050 Ceiling Mount
- DA-LM2000 Pole Mount
- DA-TM4100 Tilt Mount
- DA-WM2050 Wall Mount
- DA-RM2000 Corner Mount

For more information, please visit
www.idisglobal.com

IDIS ® One Solution. One Company.