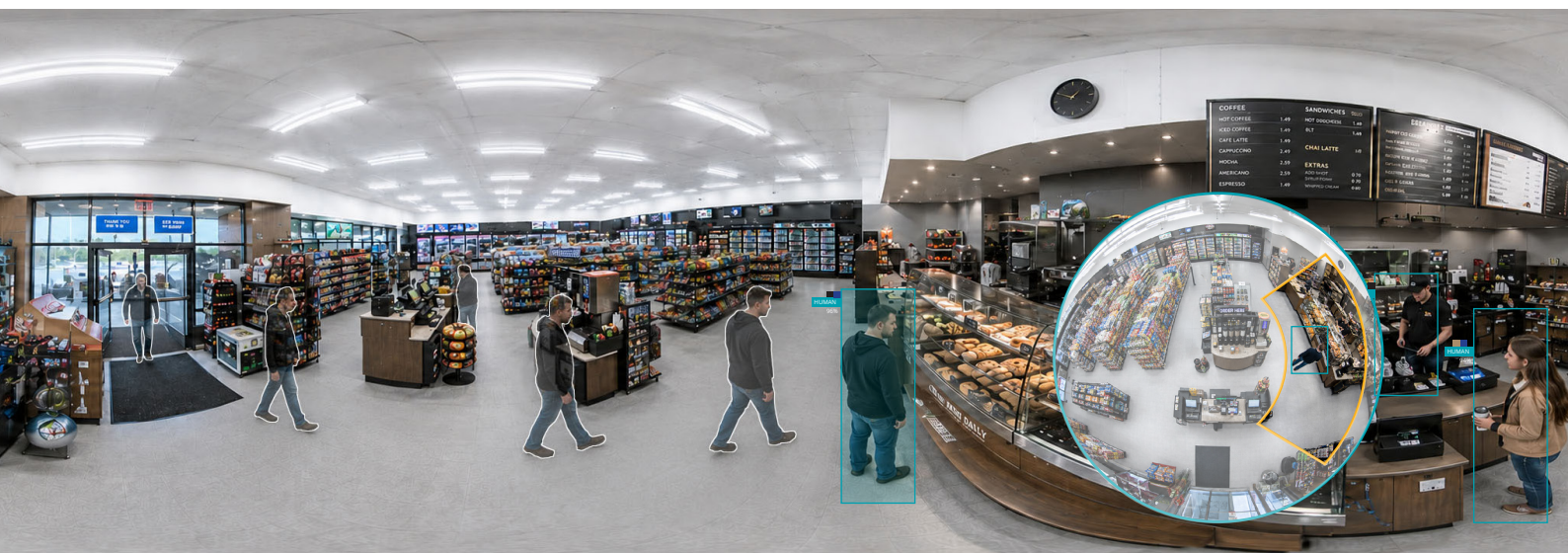




Industry-First Panoramic Auto-Tracking Fisheye



12.5MP AI Fisheye Camera
DC-Y8D11WRA





360°

IDIS 12.5MP AI Fisheye Camera DC-Y8D11WRA



No More Compromise in Wide-Area Surveillance

Wide-area surveillance has always required compromise.

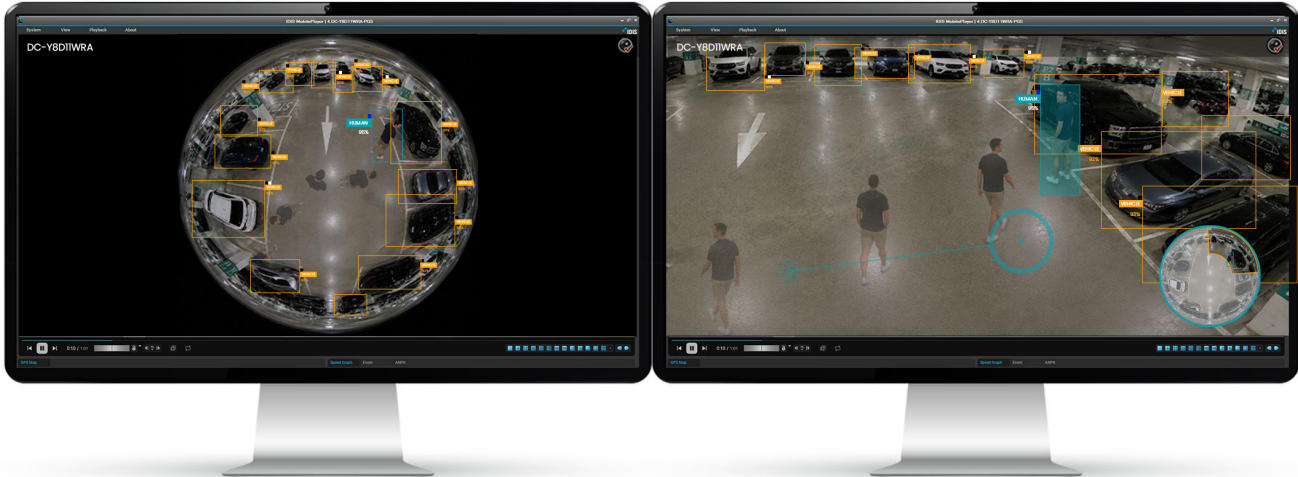
Conventional fisheye cameras provide complete 360° visibility but lack intelligent tracking, while PTZ cameras follow targets at the cost of losing the bigger picture.

The new IDIS AI Fisheye Camera redefines that equation by combining panoramic AI auto-tracking, intuitive forensic investigation, edge AI analytics, and all from a single camera.



Industry-First Panoramic Auto-Tracking

Patented Technology



Conventional fisheye cameras only watch; the DC-Y8D11WRA acts. It intelligently detects and tracks moving people and vehicles across a complete 360° field of view, ensuring no blind spots.

When a target is identified, the camera automatically generates a dewarped tracking view while continuously maintaining complete panoramic scene awareness. Operators can monitor the tracked target while maintaining full awareness of surrounding activity and emerging events across the entire scene.

By combining PTZ-style tracking with full panoramic awareness, organizations can improve operational efficiency while reducing camera counts and overall system costs.

Seamless Forensic Investigation: IDIS OneTrace

What if the critical event happens outside the tracking window? Real-time tracking is essential, but investigations require visibility beyond the tracking window.

IDIS OneTrace enables operators to instantly visualize the movement path of objects directly from recorded video. With a single click, users can retrace where a target entered, moved, interacted, and exited—providing valuable context that may not be apparent during live monitoring.

Together, Panoramic Auto-Tracking and OneTrace deliver live tracking and forensic investigation from a single panoramic camera—reducing camera counts and lowering total cost of ownership.



Edge AI That Detects Faster, Investigates Smarter



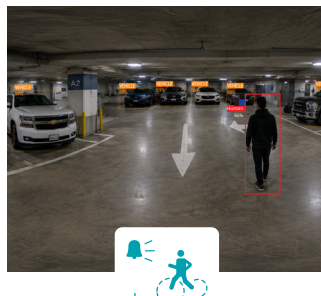
Powered by IDIS Deep Learning Analytics (IDLA), AI Search, and A-Cut, the DC-Y8D11WRA delivers intelligent edge AI capabilities—from highly accurate detection to rapid attribute-based search—all processed directly on the camera.

AI Powered Detection with IDLA IDLA

Built on IDIS's in-house engineered AI engine, IDIS Deep Learning Analytics (IDLA) delivers highly accurate detection of people, vehicles, and security events directly at the edge—enabling faster response and more reliable surveillance.



Object Detection



Loitering



Line-Crossing



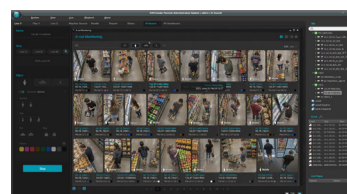
Intrusion

Instant AI Search with A-Cut

A-Cut automatically extracts the most representative image of every tracked object, while AI Search enriches each image with intelligent attributes for fast and intuitive retrieval. Together, they transform hours of video into searchable visual evidence, dramatically reducing investigation time.



 Live Monitoring: Human



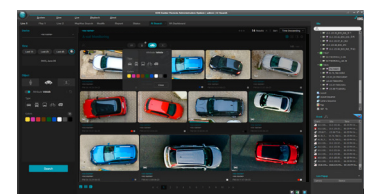
Gender



Age



 Attribute: Vehicle



Type



Colors

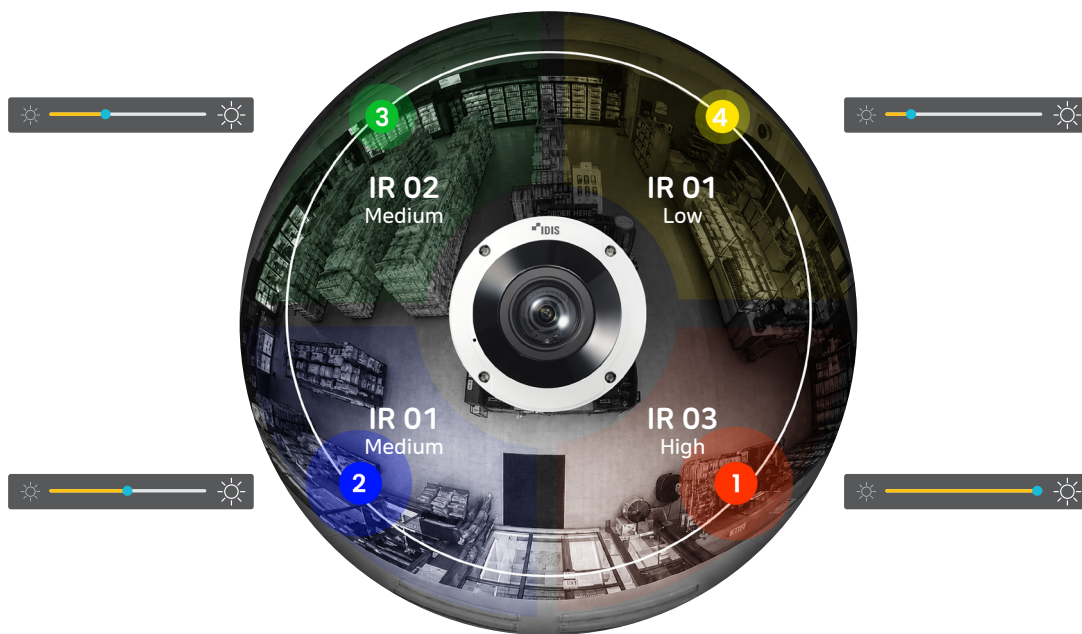




Intelligent IR Control – IDIS Zone Adaptive IR

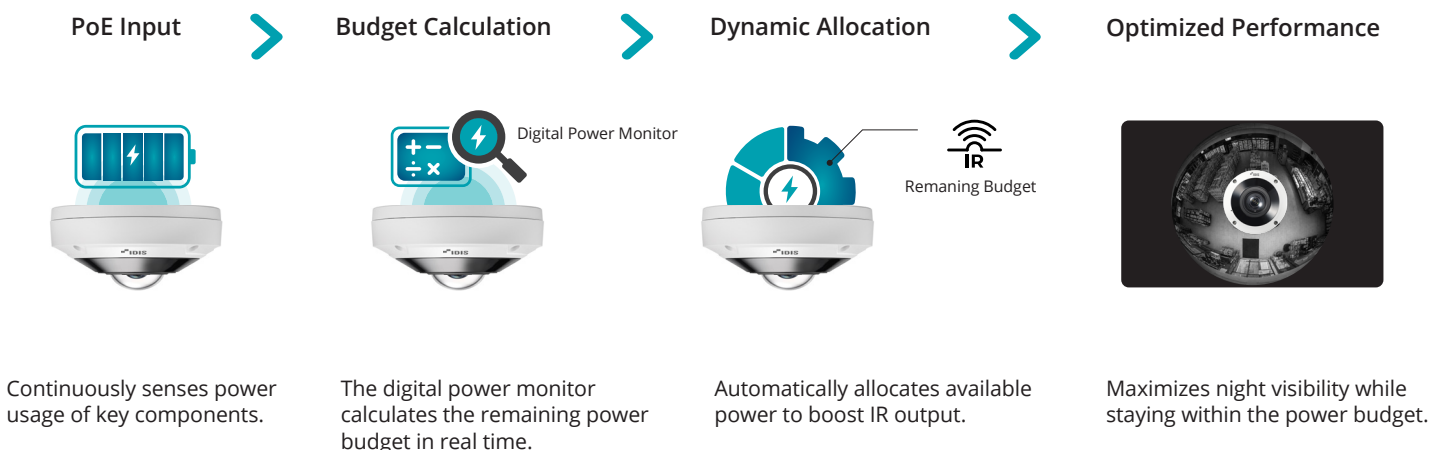
Unlike conventional IR systems that apply uniform infrared intensity across the entire scene, IDIS Zone Adaptive IR independently controls IR output for each image zone.

By optimizing illumination according to the unique conditions of each zone, it minimizes localized overexposure while maintaining consistent brightness, clearer facial details, and balanced image quality across the entire scene.

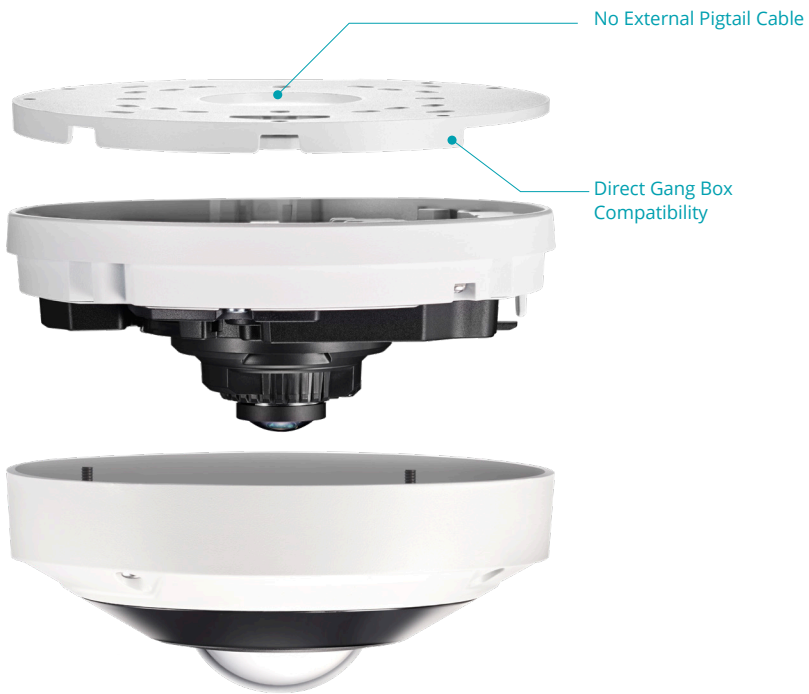


Optimized Power Efficiency: Dynamic Power Balancer

Dynamic Power Balancer continuously monitors real-time power consumption and intelligently reallocates available power to maximize IR performance while maintaining stable system operation.



Hassle-Free Installation, Built In.



The all-new platform is engineered to simplify installation from the start.

With no external pigtail cable and direct gang box compatibility, installers can complete deployments faster, with fewer accessories and lower infrastructure costs.

Remote Auto Focus enables precise focus adjustment without manual lens handling, while the rotatable camera module allows flexible viewing angle adjustments even after installation.

Enterprise-Ready Compliance

Certified to meet NDAA, TAA, FIPS 140-3 and NEMA4X requirements, making it suitable for deployment across virtually every vertical where security, compliance, and reliability matter.





One Camera. Smarter Surveillance. Lower TCO.



Rather than relying on multiple cameras to achieve complete situational awareness, the DC-Y8D11WRA combines panoramic AI auto-tracking, seamless forensic investigation, edge AI analytics, adaptive imaging, and simplified installation into a single intelligent platform.

By reducing camera counts, infrastructure requirements, installation complexity, and investigation time, it delivers a significantly lower total cost of ownership without compromising surveillance performance.

Doing more with one—that's the new standard for wide-area surveillance.

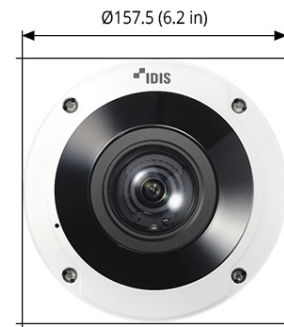
Industry-First Panoramic Auto-Tracking 12.5MP AI Fisheye Camera

DC-Y8D11WRA

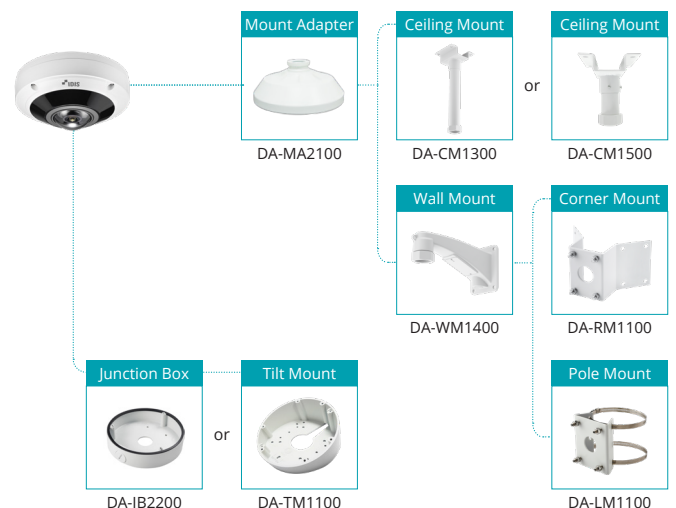
SPECIFICATIONS

Model Name	AI Fixed Focal, 12.5MP
	DC-Y8D11WRA
	
Image Sensor	1/1.6" CMOS
Max. Resolution	3520 x 3520
Lens Type	Fixed-focal
Focal Length	f = 1.7mm
Aperture	F2.0
Iris Control	Fixed Iris
Angular Field of View	180° (H), 180° (V), 180° (D)
Min. Illumination	Color: 0.13 lux @ F2.0 B/W: 0 lux @ (IR LED On)
Dynamic Range	120dB (True WDR)
Day and Night	Yes (ICR)
IR Distance (LEDs)	Zone Adaptive IR, 20m / 65.6ft (4ea)
Image Stabilizer	-
De-fog	Yes
Viewing Composition	10, 1P, 1P2R, 2P, 4R, 107R
Video Out	-
Video Compression	H.265, H.264 (MP), M-JPEG
Intelligent Video	A-cut Support
	Object Metadata: Human, Vehicle
	Object Attribute: Human[Gender, Age, Bag, Hat, Colors], Vehicle[Car, Truck, Bus, Bike(Bicycle, Motorcycle), ETC, Colors]
	IDLA: Object Detection, Intrusion, Loitering, Line Crossing ETC: Video Motion Detection, Active Tampering Alarm
Audio Compression	Opus, ADPCM 16K, G.726, G.711 u-Law, G.711 a-Law
Max. Frame Rate	30ips: 3520 x 3520
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 512GB)
Trigger Event	Motion Detection, Alarm In, Audio Detection, Tampering, Object Detection, Intrusion, Loitering, Line Crossing
Audio In / Out	1 (Built In MIC) + 1 / 1
Alarm In / Out	1 / 1
Vandal Proof Casing	IK10
Outdoor Ready	IP67
Operating Temperature	-40°C ~ 55°C (-40°F ~ 131°F)
Dimensions (W x H x D)	Ø157.5 x 73mm (Ø6.2" x 2.87")
Weight	1.1kg (2.42lb)
Power Source	12VDC, PoE, IEEE 802.3at (Class 4)
Power Consumption	Dynamic Power Balancer
	12V=, 1.9A, 22.8W PoE, IEEE 802.3at (Class 4), 24W

DIMENSIONS



ACCESSORIES (OPTIONAL)







Industry-First Panoramic Auto-Tracking
12.5MP AI Fisheye Camera

DC-Y8D11WRA



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