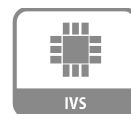


WiFi Mini PTZ Dome

2 MP 4x Network Camera



- Wi-Fi (IEEE802.11b/g/n)
- Max. 60 fps at 720p and 30 fps at 1080p
- Powerful 4x Optical Zoom
- True WDR
- Intelligent Video System
- Outdoor Rated IP66
- Vandal Resistant IK10



System Overview

Featuring a True Day/Night, 2-megapixel resolution, Pan/Tilt/Zoom (PTZ) camera with a 4x optical zoom lens, this series provides an all-in-one solution for capturing long distance video surveillance for outdoor applications. The series combines a day/night mechanical IR cut filter for the highest image quality for variable lighting conditions during the day.

Functions

True Day/Night

A day/night mechanical IR cut filter makes this camera ideal for applications with fluctuating lighting conditions, delivering color images during the day and automatically switching to monochrome as the scene darkens.

Wide Dynamic Range

The camera achieves vivid images, even in the most intense contrast lighting conditions, using industry-leading wide dynamic range (WDR) technology. For applications with both bright and low lighting conditions that change quickly, True WDR (120 dB) optimizes both the bright and dark areas of a scene at the same time to provide usable video.

Intelligent Video System (IVS)

IVS is a built-in video analytic algorithm that delivers intelligent functions to monitor a scene for Tripwire violations, intrusion detection, and abandoned or missing objects. A camera with IVS quickly and accurately responds to monitoring events in a specific area. In addition to scene analytics, the camera supports face detection to quickly capture a face and upload the image to a server. The camera also offers tamper detection by recognizing a dramatic scene change and generating a warning message to inspect the camera.

Environmental

With a temperature range of -30°C to +60°C (-22°F to +140°F), the camera is designed for extreme temperature environments. The camera complies to an IK10 impact rating making it capable of withstanding the equivalent of 55 kg (120 lbs) of force. Subjected and certified to rigorous dust and water immersion tests, the IP66 rating makes it suitable for demanding outdoor applications.

Protection

Supporting $\pm 25\%$ input voltage tolerance, this camera suits even the most unstable conditions for outdoor applications. Its 8KV lightning rating provides protection against the camera and its structure from the effects of lightning.

Technical Specification

Camera

Image Sensor	1/2.7-in. CMOS
Effective Pixels	1944(H) x 1092(V)
Scanning System	Progressive
Electronic Shutter Speed	1/1 s to 1/30,000 s
Minimum Illumination	Color: 0.05 Lux at F1.6 B/W: 0.005 Lux at F1.6 0 Lux (IR on)
S/N Ratio	More than 50 dB

Lens

Lens Type	Motorized/ Auto Iris
Mount Type	Board-in
Focal Length	2.7mm to 11.0 mm (4x Optical Zoom)
Max Aperture	F1.6 to F2.8
Angle of View	H: 112.5° to 39°
Focus Control	Auto / Manual
Close Focus Distance	100 mm to 1000 mm

PTZ

Pan/Tilt Range	Pan: 0° to 355° endless Tilt: 0° to 90° Auto Flip 180°
Manual Control Speed	Pan: 0.1° to 100° /s Tilt: 0.1° to 60° /s
Preset Speed	Pan: 100° /s Tilt: 60° /s
Presets	300 (DH-SD)
PTZ Mode	8 Tour, Auto Scan
Speed Setup	Human-oriented focal length/ speed adaptation
Power up Action	Auto restore to previous PTZ and lens status after power failure
Idle Motion	Activate Preset/ Scan/ Tour/ Pattern if there is no command in the specified period
Time Task	Auto activation of Preset/ Pan/ Scan/ Tour/ Pattern by preset-time
Protocol	DH-SD, Pelco-P/D (Auto recognition)

Intelligence

IVS	Tripwire, Intrusion, Abandoned Object Detection, Missing Object Detection, Face Detection
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Video

Compression	H.264 / MJPEG
Streaming Capability	3 Streams
Resolution	1080p (1920 × 1080), 720p (1280 × 720), D1 (704 × 480), CIF (352 × 240)
	Main Stream: 1080p, D1 at 30 fps or 720p at 60 fps Sub Stream1: D1/CIF at 1 to 30 fps Sub Stream2: 720P/D1/CIF at 1 to 30 fps
Bit Rate Control	CBR, VBR
Bit Rate	H.264: 448 K to 8192 Kbps, MJPEG: 5120 K to 10240 Kbps
Day/Night	Auto (ICR), Color, B/W
BLC Mode	BLC, HLC, WDR (120 dB)
White Balance	Auto, ATW, Indoor, Outdoor, Manual
Gain Control	Auto, Manual
Noise Reduction	Ultra DNR (2D/3D)
Motion Detection	Off, On (4 Zone, Rectangle)
Region of Interest	Off, On (4 Zone)
Digital Zoom	16x
Flip	0°/180°
Privacy Masking	Up to 24 areas

Network

Ethernet	RJ-45 (10/100 Base-T)
Wi-Fi	Wi-Fi (IEEE802.11b/g/n) 50 m (open field)
Protocol	IPv4/ IPv6, HTTP, HTTPS, SSL, TCP/IP, UDP, UPnP, ICMP, IGMP, SNMP, RTSP, RTP, SMTP, NTP, DHCP, DNS, PPPOE, DDNS, FTP, IP Filter, QoS, Bonjour, 802.1x
Interoperability	ONVIF, PSIA, CGI
Streaming method	Unicast / Multicast
Max. User Access	20
Edge Storage	Micro SD (128 GB) Memory Status Display (Normal / Error/ Active / Formatting / Lock), NAS (Network Attached Storage), Local PC for Instant Recording
Web Viewer	IE10
Management Software	Smart PSS, DSS
Mobile Operating System	Android, Ios

Certifications

Certifications	FCC (SEFD1505003-A) UL (E234884-A67-UL)
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Electrical

Power Supply	12 VDC
Power Consumption	Max. 10 W

Environmental

Operating Conditions	-30°C to +60°C (-22°F to +140°F), Less than 90% RH *Initiate startup above -35°C (-31°F)
Storage Conditions	-30°C to +60°C (-22°F to +140°F), Less than 90% RH
Ingress Protection	IP66
Vandal Resistance	IK10

Construction

Casing	Metal and Plastic
Dimensions	Φ122.0 mm x 89.0 mm (Φ4.80 in. x 3.50 in.)
Net Weight	0.50 kg (1.10 lbs)
Gross Weight	0.60 kg (1.32 lbs)

Accessories

Optional:



PFB202w
Wall Mount



PFA137
Junction Box



PFA152
Pole mount

Wall Mount	Pole Mount
PFB202W	FB202W+PFA152
CeilingMount	
PFA137	

Ordering Information

Type	Part Number	Description
2 MP Camera	DH-SD22A204TN-GNI-W	2 MP HD PTZ 4x Zoom, WDR, IVS
Accessories	Power Supply	12 VDC, Optional
	PFB202W	Wall Mount Bracket
	PFA137	Water-proof Junction Box
	PFA152	Pole Mount Bracket

Dimensions (mm/inch)

