

NPT IR-A8400

4MP 30x IR PTZ Network Camera



- · 1/3" 4 Megapixel CMOS
- · Powerful 30x optical zoom
- H.265 Encoding
- Max. 25/30fps@4M/3M, 25/30/50/60fps@1080P
- · Auto-tracking and IVS
- · Support PoE+
- · IR distance up to 100m
- · IP66











System Overview

Pro series adopts powerful DSP and image sensor, which can offer great image performance. It supports excellent optical zoom with autofocus and provides highly detailed zoomed-in views. With upgraded smart H.265 encoding technology, this series achieves high-efficient video stream compression, and enhance the monitoring system by saving network bandwidth and storage capacity. Suitable for both indoor and outdoor environment, this series enables 360° endless pan for wide area coverage. The pro series offers industry-leading IR capability of up to 200m.

Functions

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.

Auto-tracking

This feature controls the pan/tilt/zoom actions of the camera to automatically track an object in motion and to keep it in the scene. The tracking action can be triggered manually or automatically by defined rules. Once a rule is triggered, the camera can zoom in and track the defined target automatically.

Smart H.265+

Smart H.265+ is the optimized implementation of the H.265 codec that uses a scene-adaptive encoding strategy, dynamic GOP, dynamic ROI, flexible multi-frame reference structure and intelligent noise reduction to deliver high-quality video without straining the network. Smart H.265+ technology reduces bit rate and storage requirements by up to 70% when compared to standard H.265 video compression.

Environmental

Eyemax cameras operate in extreme temperature environments, rated for use in temperatures from -40°C $^{\sim}$ 70°C (-40°F $^{\sim}$ +158°F) with 95% humidity. Subjected to rigorous dust and water immersion tests and certified to the IP66 Ingress Protection rating makes it suitable for demanding outdoor applications.

Protection

The camera allows for $\pm 10\%$ input voltage tolerance, suitable for the unstable conditions for outdoor applications. Its 6KV lightning rating provides effective protection for both the camera and its structure against lightning.

Interoperability

The camera conforms to the ONVIF (Open Network Video Interface Forum) and PSIA (Physical Security Interoperability Alliance) specifications, ensuring interoperability between network video products regardless of manufacturer.



Compressions	Technical Specification						Video	
Entiretive Public	Camera					Compression	H.265+/H.265/H.264+/H.264	
RESOLUTION 1000/17/201/201/201/201/201/201/201/201/201/201	Image Sensor 1/			1/3" CMOS			Streaming Capability	3 Streams
Seaming System							Resolution	1080)/720P(1280×720)/D1(704×576/704×480)/
Frame Rate							Frame Rate	Main stream: 4M/3M(1~25/30fps), 1080P/1.3M/
Auto Color Colo								
S/N Ratio								
Bit Distance								
DelyNight								
Record R	IR Distance						Bit Rate	
Mark	IR On/Off Control		Auto/Manual				Day/Night	Auto(ICR) / Color / B/W
Max. Aperture	IR LEDs		4				Backlight Compensation	BLC / HLC / WDR (120dB)
Max. Aperture	Lens						White Balance	Auto,ATW,Indoor,Outdoor,Manual
Angle of View	Focal Length		4.5mm~135mm				Gain Control	Auto / Manual
Optical Zoom 30x Region of Interest Support Focus Control Auto/Manual Electronic Image Stabilization (ElS) Support Close Focus Distance 100mm* 1000mm Defog Support DORI Distance 100mm* 1000mm Defog Support Post Dori distance is a "general proximity" of distance which makes it easy to pipipoint the right camera for your needs. The DORI distance is calculated based on sensor specification and lab test result according to EN 626764 which defines the criteria for Detect, Observe Recognize Identify Detect Observe Recognize Identify Privacy Masking Up to 24 areas Audio PTZ Pan/Tilt Range Pan: 01* 360* endless; Tilt: -15* 90*, auto flip 180* Ethernet RJ-45 (10/1008ase-T) Manual Control Speed Pan: 01* 300* /s; Tilt: 01* 200* /s Preset Speed Pan: 400* /s; Tilt: 300* /s Preset Speed Pan: 400* /s; Tilt: 300* /s Preset Speed Speed Speed Pan: 400* /s; Tilt: 300* /s Preset Speed Speed Speed Pan: 400* /s; Tilt: 300* /s Prover up Action Park Auto restore to previous PTZ and lens status after power failure Auto restore to previous PTZ and lens status after power failure Power up Action DH-SD Frotocol DH-SD Frotocol DH-SD Frotocol PTZ Auto Tracking Support Auto Tracking Support Protocol Certifications Fripwire, Intrusion, Abandoned/Missing, Face Fripmire, Intrusion, Abandoned/Missin	Max. Aperture		F1.6 ~ F4.4				Noise Reduction	Ultra DNR (2D/3D)
Focus Control Auto/Manual Close Focus Distance 100mm* 1000mm Defog Support Defog Support Digital Zoom 16x Note: The DORI distance is a "general proximity" of distance which makes it easy to pinpoint the right carrear for your needs. The DORI distance is a "general proximity" of distance which makes it easy to pinpoint the right carrear for your needs. The DORI distance is a "general proximity" of distance which defines the certain for better, Observe, Recognize and Identify respectively. Detect Observe Recognize Identify Audio PTI TOBMINISTABRIAN SABYTH SABYT	Angle of View		H: 60° ~ 2.2°				Motion Detetion	Support
Stabilization (EiS) Support	Optical Zoom		30x				Region of Interest	Support
*Note: The DORI distance is a "general proximity" of distance which makes it easy to pinpoint the right camera for your needs. The DORI distance is calculated based on sensor specification and lab test result according to EN 62676-4 which defines the criteria for Detect, Observe, Recognize and Identify respectively. Detect Observe Recognize lidentify Privacy Masking Up to 24 areas Privacy Masking Up to 24 areas Privacy Masking Up to 24 areas Audilo Compression G.711a/G.711Mu/AAC/G.722 / G.726/G.729/ MPEG2-L2 PTZ Network Pan/Tilt Range Pan: 0" ~ 360" endless; Tilt: -15" ~ 90", auto flip 180" Manual Control Speed Pan: 0.1" ~ 300" /s; Tilt: 0.1" ~ 200" /s Preset Speed Pan: 400" /s; Tilt: 300" /s Presets 300 Interoperability OnVife, DNS, PPOE, DDNS, FP, IP Filter, Cos, Bonjour, 802.1x Presets 300 Interoperability ONVIF, PSIA, CGI PTZ Mode S Pattern, 8 Tour, Auto Pan, Auto Scan Speed Setup Human-oriented focal Length/ speed adaptation Power up Action power failure Power full Activate Preset/ Scan/ Tour/ Pattern if there is no command in the specified period Intelligence Auto Tracking Support Tripwire, Intrusion, Abandoned/Missing, Face Protocol Tripwire, Intrusion, Abandoned/Missing, Face Certifications Digital Zoom 16x Filip 180" Privacy Masking Up to 24 areas Filip 180" Privacy Masking Up to 24 areas Cantleine Support Audilo Ethernet RJ-45 (10/1008ase-T) Network Ethernet RJ-45 (10/1008ase-T) Protocol Pan: 400" /s; Tilt: 0.1" ~ 200" /s Interoperability Onviers St. (10/1008ase-T) Notework Ethernet RJ-45 (10/1008ase-T) Interoperability Onviers St. (10/1008ase-T) Interoperability Onviers St. (10/1008ase-T) Protocol District St. (10/1008ase-T) Max. User Access 20 users Max. User Access 20 users Max. User Access 20 users Management Software Smart PSs, DSS Smart PSo, DSS Certifications Certifications Certifications	Focus Control		Auto/Manual				_	Support
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Tripwire, Intrusion, Abandoned/Missing, Face Certifications FCC: Part15 subpartB, ANSI C63.4-2014	Auto Tracking		Suppo	rt			Certifications	
	IVS						Certifications	FCC: Part15 subpartB, ANSI C63.4- 2014

Interface Video Interface N/A Audio Interface 1/1 RS485 N/A 2/1 Alarm I/O Electrical Power Supply AC24V/3A(±10%), PoE+(802.3at) Power Consumption 13W,23W (IR on) Environmental -40°C $^{\sim}$ 70°C (-40°F $^{\sim}$ +158°F) / Less than 90% RH **Operating Conditions** IP66 Ingress Protection Vandal Resistance N/A Construction Metal Casing Dimensions Ф186(mm) x 309(mm) Net Weight 3.5kg(7.72lb) Gross Weight 6.8kg(14.99lb)

Accessories

Included:







Wall Mount

Mount Adapter

AC24V/3A Power Supply

Dimensions (mm)



