



FEATURES

- 1/2.8" SONY progressive scan CMOS
- Up to 3840x2160 resolution
- Mini illumination: Color: 0.01 LUX @ (F1.65 AGC ON) 0 Lux with IR
- 25x optical zoom, Accurate and fast focusing
- WDR, 3D DNR, Smart IR 150m
- Smart H.265+ and H.265 or H.264+ and H.264
- Intelligent Video content analytics
- Smart tracking of human/vehicle
- Smart detection and perimeter protection
- ONVIF, API and SDK
- PoE+ and DC12V
- IP66 Ingress Protection
- ADC12 and PC/GF

Overview

The Eyemax NPT-IR-C8125 PTZ camera is the ultimate surveillance solution for your needs. The latest 4K image sensor from Sony captures clear images at a smooth 30 frames per second. This good camera records everything, so you can see everything around you clearly.

You can zoom in on specific spots for a closer look with this camera's 25x optical zoom lens. Whether you need to monitor a large area or focus on a specific point, this camera has you covered. And with its 4.8~120mm motorized lens, adjusting the zoom is quick and effortless.

Video compression with H.264 reduces the bit rate by 50% This allows for efficient use of storage space and bandwidth, making it a cost-effective choice for your surveillance system.

In addition to its impressive imaging capabilities, this camera also boasts an advanced 1.5Tops AI engine. This powerful engine can detect and classify up to 15 objects per scene, ensuring that no unauthorized activity goes unnoticed. With this feature, you can set up alerts for when objects intrude on your property.

SPECIFICATIONS

Camera Module	
Image sensor	1 / 2.8" SONY latest progressive scan CMOS
Mini. Illumination	Color 0.01Lux @ (F1.65 AGC ON) / W 0.002Lux @ (F1.65 AGC ON); 0Lux with IR
Image setting	Flip, Mirror, Saturation, Brightness, Contrast, Sharpness, AGC, etc. adjusted by client
Shutter Speed	1 / 1 s - 1 / 100,000 s
White Balance	Auto / Manual / Indoor / Outdoor
Gain control	Auto / Manual
Day & Night control	Auto / Manual, Time schedule
Iris control	Auto / Manual
SNR	≥55dB
3D DNR	Auto / Manual
AE Enhancement	BLC, HLC, WDR
Privacy Mask	24 areas, up to 8 mask in the same frame
Picture overlay	Logo picture could be overlaid on video with 128 × 128 pixels, 24 bits BMP format
OSD overlay	max 15 characters / line, 8 lines, white or red font color
Lens	
Focus length	f=4.8 ~ 120mm lens, 25x optical zoom
Zoom Speed	Approx. 3.6s (optical zoom, wide-tele)
Field of View	Horizontal: 55° ~ 2.4° Vertical: 33° ~ 1.4° Diagonal: 61.5° ~ 2.8° (wide-tele)
Working distance	wide: 1.0m ~ INF; tele: 1.5m ~ INF
Iris type	DC-IRIS (Hall sensor, 16 Stops), F1.65 ~ F3.8 (wide-tele)
IR Cut type	Removable IR CUT filter
DORI distance	
Detect	8930 ft (2.72 km)
Observe	3543 ft (1.08 km).
Recognize	1772 ft (0.54 km)
Identify	886 ft (0.27 km)
PTZ	
Pan Range	360° endless
Pan speed	Configurable, from 0.1 ~ 200° / s; Preset speed: 240° / s

Tilt Range	From -5° to 90°, auto flip
Tilt Speed	Configurable, from 0.1° ~ 200° / s, Preset speed: 240° / s
Proportional Zoom	Yes
Preset	360
Cruise	8 cruises, up to 16 presets for each cruises
Trace	4 traces, record time over 3 minutes for each trace
Power off memory	Support
Action mode	Preset / Cruise / Trace / Auto Scan / Random Scan
3D Positioning	Support
PTZ Position Display	Support
Schedule Task	Preset / Cruise / Trace / Random Scan / Boundary Scanning / Dome reboot
IR	
IR Distance	150m (492 f.t.)
Smart IR	Yes
Network	
Max Resolution	3840 × 2160
Main stream	50Hz: 25fps: 3840 × 2160, 2560 × 1440, 1920 × 1080, 1280 × 960, 1280 × 720 60Hz: 30fps: 3840 × 2160, 2560 × 1440, 1920 × 1080, 1280 × 960, 1280 × 720
Sub stream	50Hz: 25fps: (704 × 576, 640 × 480, 352 × 288) 60Hz: 30fps (704 × 480, 640 × 480, 352 × 240)
Third Stream	50Hz: 25fps (1920 × 1080, 1280 × 960, 1280 × 720, 704 × 576, 640 × 480, 352 × 288) 60Hz: 30fps (1920 × 1080, 1280 × 960, 1280 × 720, 704 × 480, 640 × 480, 352 × 240)
Video compression	H.265+ / H.265 / H.264+ / H.264 / MJPEG
H.264 Standard	H.264 / AVC codec BP / MP / HP, Level 5.1
H.265 Standard	H.265 / HEVC codec MP, level 5.0
Video Bit Rate	64 Kbps to 16Mbps
Audio compression	G.711 A / U
Audio Bit Rate	64K bps
Protocols	HTTP, HTTPS, IPv4 / IPv6, 802.1x, QoS, FTP, SMTP, UPnP, SNMP, DNS, DDNS, NTP, RTSP, RTCP, RTP, TCP / IP, UDP, DHCP, PPPoE
User / Host	Up to 16 users, 3 levels: Administrator, Advanced User and Normal User
Security Measures	User authentication (ID and PW), Host authentication (MAC address); HTTPS encryption, IEEE802.1x port-based network access control; IP address filtering

Smart Features	
Basic event	Motion detection, Video tampering alarm, Exception(Network disconnected, IP address conflict, SD full, SD error)
Face recognize	Detecting max 15 faces at same scene. Detecting, tracking, capturing
Road traffic	Vehicle detecting and tracking
Smart Detection	Tripwire, Bi-directional tripwire, Illegal intrusion detection, Region entrance detection, Region exitance detection, Unattended baggage detection, Object removal detection, etc.
Smart Tracking	Smart tracking of human or vehicle, auto / manual
System Integration	
Alarm Interface	1 Alarm input(Dry contact); 1 Alarm output

