



FEATURES

- 1/3-in. 4MP Progressive-scan CMOS Sensor
- Dual Stream Encoding
- Smart H.265+ and Smart H.264+ Dual Codecs
- 4MP at 30 fps Maximum Resolution, 2.8 mm Fixed Lens DWDR
- Day/Night (ICR) Maximum IR LED Length 30 m (98.43 ft) with Smart IR Motion Detection
- ArcticPro Series Camera Operational down to -40 °C (-40 °F)
- IP67 Ingress Protection

SPECIFICATIONS

Camera	
Image Sensor	1/3-in. 4MP Progressive-scan CMOS
Effective Pixels	2560 (H) × 1440 (V)
RAM/ROM	64 MB / 16 MB
Scanning System	Progressive
Electronic Shutter Speed	Auto, Manual; 1/3 s to 1/100000 s
Minimum Illumination	Color, 30 IRE: 0.03 lux at F2.0 B/W, 30 IRE: 0.003 lux at F2.0 0 lux (Illuminator On)
S/N Ratio	> 56 dB
IR Distance	Distance up to 30.0 m (98.43 ft)
IR On/Off Control	Auto, Manual
IR LEDs	One (1)
Lens	
Lens Type	Fixed-focal
Iris Type	Fixed
Mount Type	M12
Focal Length	2.8 mm
Maximum Aperture	F2.0
Field of View	Horizontal: 90° Vertical: 50° Diagonal: 107°
Close Focus Distance	1.0 m (3.28 ft)
DORI Distance	
Detect	68.0 m (223.10 ft)
Observe	27.2 m (89.24 ft)
Recognize	13.6 m (44.62 ft)
Identify	6.8 m (22.31 ft)
Pan/Tilt/Rotation	
Range	Pan: 0° to 355° Tilt: 0° to 78° Rotation: 0° to 355°
Video	
Compression	Smart H.265+, H.265, Smart H.264+, H.264, H.264B, MJPEG
Streaming Capability	Two (2) Streams
Resolution	4MP (2560 × 1440), 3MP (2304 × 1296), 1080p (1920 × 1080), 1.3MP (1280 × 960), 720p (1280 × 720), D1 (704 × 480), VGA (640 × 480), CIF (352 × 240)

Eyemax NIU-E40-AW28 4Megapixel IR Turret Network Camera, Fixed Lens

Frame Rate (Main Stream)	2560 × 1440 at 1 to 30 fps
Frame Rate (Sub Stream)	704 × 480 at 1 to 30 fps
Bit Rate Control	CBR/VBR
Bit Rate	H.264: 32 kpbs to 4096 Kbps H.265: 12 kpbs to 4096 Kbps
Day/Night	Auto (ICR), Color, B/W
Backlight	BLC, HLC, DWDR
White Balance	Auto, Natural, Street Lamp, Outdoor, Manual, Regional Custom
Gain Control	Auto, Gain Priority, Shutter Priority, Manual
Noise Reduction	3D DNR
Motion Detection	Off, On (4 Zones, Rectangle)
Region of Interest	Off, On (4 Zones)
Smart IR	Support
Image Rotation	0°, 180° (0°by default)
Mirror	Off, On
Privacy Masking	Off, On (4 Areas)
Network	
Ethernet	RJ-45 (10/100 Base-T)
Protocol	IPv4, IPv6, HTTP, TCP, UDP, ARP, RTIP, RTSP, SMTIP, FTIP, DHCP, DNS, DDNS, NTP, Multicast
Interoperability	ONVIF (Profile S,T), CGI, P2P, SDK, API
Max. User Access	6 (Total Bandwidth: 48 MB)
Edge Storage	FTP
Web Viewer	IE, Chrome, Firefox
Management Software	SmartPSS Lite, DMSS
Mobile Operating System	iOS, Android
Cybersecurity	Video Encryption Configuration Encryption, Digest, WSSE, Account Lockout, Security Logs, Generating and Importing X.509 Certification, HTTPS, Trusted Boot, Trusted Execution, Trusted Upgrade
Audio	
Compression	G.711A, G.711Mu, G.726, PCM
Input	Built-in Microphone

Eyemax NIU-E40-AW28 4Megapixel IR Turret Network Camera, Fixed Lens

Certifications	
Safety	EN 62368 ~ 1
Electromagnetic Compatibility (EMC)	FCC CFR 47 Part 15 Subpart B Electromagnetic Compatibility Directive 2014/30/EU
Electrical	
Power Supply	12 VDC or PoE (802.3af)
Power Consumption	Basic: 1.6 W (12 VDC), 2.4 W (PoE) Maximum (ICR + H.265 + IR Intensity): 3.6 W (12 VDC), 4.7 W (PoE)
Environmental	
Operating Conditions	-40°C to +60°C (-40°F to +140°F), Less than or equal to 95% RH
Storage Conditions	-40°C to +60°C (-40°F to +140°F)
Ingress Protection	IP67
Construction	
Casing	Metal
Dimensions	85.6 mm × 94.0mm (3.4 in. × 3.7 in.)
Net Weight	0.32 kg (0.71 lb)
Gross Weight	0.43 kg (0.95 lb)
Intelligent Video System Functions	
Standard Features	Tampering with the camera. Error sending or receiving data over the network. Unauthorized access to the camera.
Motion	An object moves through any part of the scene.

Dimensions

