



## System Overview

The Eyemax NIU-E4152-W28 is designed to work in any weather condition, thanks to its IP67 rated metal body. This weatherproof casing protects the camera from dust, water, and harsh environmental factors, making it suitable for outdoor installation. It can withstand extreme temperatures, ensuring reliable operation even in the harshest climates.

This camera can take 4 megapixel pictures and make smooth videos at 25/30 frames per second. It's easier to see every little thing in your video, and it's easier to spot crucial info and potential dangers.

Equipped with a 2.8 mm fixed lens, this camera offers a wide-angle view of your surroundings. The 106° viewing angle provides a wider coverage area and reduces the number of cameras required for your surveillance setup. Additionally, the lens also supports face capture, allowing you to easily detect and identify individuals in your footage.

Image Sensor	1/1.8" 4Megapixel progressive scan CMOS
Effective Pixels	2688(H) × 1520(V)
RAM/ROM	512MB/128MB
Scanning System	Progressive
Electronic Shutter Speed	Auto / Manual, 1/3 ~ 1/100,000s
Minimum Illumination	0.002 Lux@F1.6
IR Distance	Distance up to 50m (164ft)
IR On/Off Control	Auto / Manual
IR LEDs	2
<b>Lens</b>	
Lens Type	Fixed
Mount Type	Board-in
Focal Length	2.8mm
Max. Aperture	F1.6
Angle of View	H: 113° V:60°
Aperture Type	Fixed
Close Focus Distance	1.3m(4.27ft)
DORI Distance	Detect: 58m(190ft) Observe: 23m(75ft) Recognize: 12m(39ft) Identify: 6m(20ft)
<b>Pan / Tilt / Rotation</b>	
Pan/Tilt/Rotation Range	Pan:0° ~ 360° Tilt:0° ~ 78° Rotation:0° ~ 360°
<b>Artificial Intelligence</b>	
Face Detection	Support face image capture
Perimeter Protection	Tripwire, intrusion (Recognition of vehicle and people), fast moving, loitering detection, parking detection and people gathering
People Counting	Support Line crossing/Region/Queueing people counting; Support 4 accesses independent detection, 4 areas independent detection
<b>General Intelligence</b>	
Event Trigger	Motion detection, Video tampering, Scene changing, Network disconnection, IP address conflict, Illegal Access, Storage anomaly
General Intelligence	Object Abandoned/Missing
Heat Map	Yes

<b>Video</b>	
Compression	H.265 / H.264 / H.264B / H.264H / MJPEG (sub stream)
Smart Codec	Yes
Streaming Capability	3 Streams
Resolution	2688 × 1520 / 2560 × 1440 / 2304 × 1296 / 1080P(1920 × 1080) / 1.3M(1280 × 960) / 720P(1280 × 720) / D1(704 × 576/704 × 480) / VGA(640 × 480) / CIF(352 × 288 / 352 × 240)
Main Stream Frame Rate	2688 × 1520 (1 ~ 25/30fps) 2560 × 1440 (1 fps-25/30 fps) 1920 × 1080 (1 fps-50/60 fps)
Sub Stream Frame Rate	D1 (1 ~ 25/30fps) D1 (1 fps-50/60 fps)
Third Stream Frame Rate	1080P (1 ~ 16fps)
Bit Rate Control	CBR / VBR
Bit Rate	H.264: 32 ~ 8192Kbps H.265: 19 ~ 8192Kbps
Day/Night	Auto(ICR) / Color / B/W
BLC Mode	BLC / HLC / WDR (140 dB)
White Balance	Auto / Natural / Street Lamp / Outdoor / Manual
Gain Control	Auto / Manual
Noise Reduction	3D DNR
Motion Detetion	Off / On (4 Zone, Rectangle)
Region of Interest	Off / On (4 Zone)
Electronic Image Stabilization (EIS)	N/A
Smart IR	Yes
Defog	Yes
Flip	0° / 90° / 180° / 270°
Mirror	Off / On
Privacy Masking	Off / On (4 Area, Rectangle)
<b>Audio</b>	
Compression	G.711a / G.711Mu / G.726 / AAC / G.723
<b>Network</b>	
Ethernet	RJ-45 (10/100Base-T)
Protocol	IPv4 / IPv6 / HTTP / HTTPS / TCP / UDP / ARP / RTP / RTSP / RTCP / RTMP / SMTP / FTP / SFTP / DHCP / DNS / DDNS / QoS / UPnP / NTP / Multicast / ICMP / IGMP / NFS / PPPoE / 802.1x / SNMP

Interoperability	ONVIF (Profile S / Profile G / Profile T) / CGI / Milstone / Genetec / P2P
Streaming Method	Unicast / Multicast
Max. User Access	20 Users
Edge Storage	NAS / FTP / SFTP / Mirco SD card 256GB
Web Viewer	IE (versions newer than IE8), Chrome, Firefox, Safari (versions newer than Safari 12)
Management Software	Smart PSS, DSS, DMSS
Smart Phone	iOS, Android
<b>Certifications</b>	
Certifications	CE-LVD: EN60950-1 CE-EMC: Electromagnetic Compatibility Directive 2014/30/EU FCC: 47 CFR FCC Part 15, Subpart B UL/CUL: UL60950-1 CAN/CSA C22.2 No.60950-1-07
<b>Interface</b>	
Audio Interface	Built-in MIC
RS485	N/A
Alarm	N/A
<b>Electrical</b>	
Power Supply	DC 12V (±30%), PoE(802.3af) (Class 0)
Power Consumption	<7.2W
<b>Environmental</b>	
Operating Conditions	-30° C ~ +60° C (-22° F ~ +140° F) / Less than 95% RH
Storage Conditions	-30° C ~ +60° C (-22° F ~ +140° F)
Ingress Protection	IP67
Vandal Resistance	IK10
<b>Construction</b>	
Casing	Metal
Dimensions	4.17 inches (10.59 cm) × 3.91 inch (9.93 cm)
Net Weight	0.55Kg (1.21lb)
Gross Weight	0.71Kg (1.51lb)