

# IP8M-2493E

## 8MP UltraHD IR Network Vandal Dome Camera

### Technical Specifications

<b>Model</b>	<b>IP8M-2493EB/IP8M-2493EW</b>	
<b>Camera</b>		
Image Sensor	1/2.5" 8Megapixel progressive scan CMOS	
Effective Pixels	3840(H) x 2160(V)	
RAM/ROM	512MB/32MB	
Scanning System	Progressive	
Electronic Shutter Speed	Auto/Manual, 1/3(4)~1/100000s	
Minimum Illumination	0.06Lux/F1.6(Color,1/3s,30IRE), 0.3Lux/F1.6(Color,1/30s,30IRE), 0Lux/F1.6(IRs)	
S/N Ratio	More than 50dB	
IR Distance	Distance up to 30m (98ft)	
IR On/Off Control	Auto/ Manual	
IR LEDs	18	
<b>Video</b>		
Compression	H.265/H.264	
Resolution	4K(3840×2160)/6M(3072×2048)/5M(2560×1920)/3M(2048×1536)/3M(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)	
Frame Rate	<b>Main Stream:</b> 4K(1~15fps)/3M(1~25/30fps)	
	<b>Sub Stream:</b> D1(1~25/30fps)	
	<b>Third Stream:</b> 1080P(1~25/30fps)	
Bit Rate Control	CBR/VBR	
Bit Rate	H.264: 24K ~ 10240Kbps, H.265: 14K ~ 9984Kbps	
Day/Night	Auto(ICR) / Color / B/W	
BLC Mode	BLC / HLC / WDR(120dB)	
<b>Auxiliary Interface</b>		
Audio Interface	1/1 channel In/Out	
Alarm	1 channel In: 5mA 5VDC 1 channel Out: 300mA 12VDC	
<b>Audio</b>		
Compression	G.711a/ G.711Mu/ AAC/ G.726	
<b>Network</b>		
Ethernet	RJ-45 (10/100Base-T)	
Protocol	HTTP; HTTPS; TCP; RTSP; UDP; SMTP; FTP; DHCP; DNS; DDNS; IPv4/v6; QoS; UPnP; NTP; SNMP	
Interoperability	ONVIF, PSIA, CGI (Third party ONVIF compatibility may vary, 16.12(V2.4.0.485616))	
Bandwidth	7Mb/s 8Mb/s @ 4K(3840×2160)	
Max. User Access	10 Users /20 Users	
Edge Storage	NAS, FTP, Local PC, MicroSD card 128GB	
Management Software	Amcrest Surveillance Pro (Windows/MAC), Amcrest View Pro app for IOS and Android AmcrestCloud.com Video Storage Subscription Service (Chrome, Edge, Firefox, Safari), Blue Iris Professional (Third Party), Web Browser (Pale Moon, Sea Monkey, Firefox 49.0, Internet Explorer, Chrome with Amcrest Extension, Safari 11).	

<b>Camera Features</b>											
White Balance	Auto/Natural/Street Lamp/Outdoor/Manual										
Gain Control	Auto/Manual										
Noise Reduction	3D DNR										
Motion Detection	Off / On (4 Zone, Rectangle)										
Region of Interest	Off / On (4 Zone)										
Smart IR	Support										
Digital Zoom	16x										
Flip	0°/180°										
Privacy Masking	Off / On										
<b>Lens</b>											
Lens Type	Fixed										
Mount Type	Board-in										
Focal Length	2.8mm										
Max. Aperture	F1.6										
Angle of View	H:112° (88°), V:69° (48°)										
Focus Control	Fixed										
Close Focus Distance	0.9m( 2.95ft)										
Dori Distance	<table border="1" data-bbox="602 835 1419 926"> <thead> <tr> <th>Lens</th> <th>Detect</th> <th>Observe</th> <th>Recognize</th> <th>Identify</th> </tr> </thead> <tbody> <tr> <td>2.8mm</td> <td>69m(226ft)</td> <td>28m(92ft)</td> <td>14m(46ft)</td> <td>7m(23ft)</td> </tr> </tbody> </table> <p><b>*Note:</b> 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.</p>	Lens	Detect	Observe	Recognize	Identify	2.8mm	69m(226ft)	28m(92ft)	14m(46ft)	7m(23ft)
Lens	Detect	Observe	Recognize	Identify							
2.8mm	69m(226ft)	28m(92ft)	14m(46ft)	7m(23ft)							
<b>General</b>											
Power Supply	DC12V, PoE (802.3af)(Class 0)										
Power Consumption	<5.5W										
Operating Conditions	-30° C ~ +60° C (-22° F ~ +140° F) / Less than 95% RH										
Ingress Protection	IP67										
Storage Conditions	-30° C ~ +60° C (-22° F ~ +140° F) / Less than 95% RH										
Casing	Metal										
Dimensions	Φ109.9mm×81mm (4.33” × 3.19”)										
Net Weight	0.41kg (0.91lb)										
Gross Weight	0.53 kg (1.17lb)										