

4MP, LIGHTHUNTER, WDR, IR, INTELLIGENT VANDAL





4MP Fixed Lens Vandal

IPV4M28X

- > Fully Adheres to National Defense Authorization Act (NDAA) Guidelines
- > Exceptional Video Quality with 4MP, 2688 x 1520 Resolution
- > Super-Efficient H.265 Video Compression for Drastically Reduced Bandwidth and Storage Requirements
- > LightHunter Technology ensure ultra-high image quality in low illumination environment
- > Powerful, Smart IR LED Lights for 0 Lux Night Time Operation up to 131 Feet
- > 2.8mm fixed, wide-angle lens; and Two-way Audio with Built-in Microphone
- > TRUE Day/Night and WDR (130db) functionality for all Lighting Conditions
- > Backlight Compensation, Corridor Mode, Defog and 3D DNR (Digital Noise Reduction)
- > Triple Video Streams; ONVIF Profile S Compliant and Built-in Micro-SD Card Slot enables local storage up to 256GB
- Intelligent perimeter protection such as attribute collection with color retrieval, cross line and people counting, and smart intrusion prevention technology for significantly reduced false alarms when focusing on humans and motor vehicles
- > 3-Way Axis, IP67 Weather Resistant Housing and PoE & 12VDC Power Options
- Supported by uniview tec Guard Station Software and Guard Viewer Mobile App's for iPhone and Android Device

www.univiewtechnology.com



Specifications

Sensor 1/3" MMP, progressive scales Institute	Camera						
True Day / Night Reut filter with auto switch (ICR) Shotter Auto / Manual. 1 ~ 1/1000000 s Adjustment angle (3-way Axis) Pan: 0° ~ 352°; Till: 0° ~ 70°; Rotate: 0° ~ 350° WDR 130dB Sylon Sylon East Sylon East Sylon East Sylon East Sylon Field of View (N) 97.68° Field of View (N) 97.68° Prover (N) Recognize (m) Identify (m) <	Sensor	1/3" 4MP, progressive scan CMOS					
Shutter Auto / Manual, 1~1/100000s Adjustment angle (3-way Axis) Pari 0° ~ 352°; Tilt: 0° ~ 70°; Rotate: 0° ~ 350° WDR 130dB S/R SofedB Lens 2.8mm @ F1.6 Field of View (M) 97.68° Field of View (V) 52.67° Field of View (V) 52.6° Field of View (V) 52.6° Botest (m) Observe (m) Recognize (m) Identify (m) Botest (m) Observe (m) Recognize (m) Identify (m) Identify (m) Botest (m) Botest (m) Recognize (m) Identify (m) Botest (m) Botest (m) Botest (m) Botest (m) Identify (m) Botest (m) Botest (m) Botest (m) Botest (m) Botest (m) Botest (m) <th colspa<="" td=""><td>Minimum illumination</td><td colspan="4">Color: 0.002 lux (F1.6, AGC ON); 0 lux with IR on</td></th>	<td>Minimum illumination</td> <td colspan="4">Color: 0.002 lux (F1.6, AGC ON); 0 lux with IR on</td>	Minimum illumination	Color: 0.002 lux (F1.6, AGC ON); 0 lux with IR on				
Adjustment angle (3-way Axis) Pari, 0' ~ 352'; Tilt: 0' ~ 70'; Rotate: 0' ~ 350' WDR 130dB 566dB Image: Nove William State (1) with 10 mg of 1) mg	True Day / Night	IR-cut filter with auto switch (ICR)					
WDR 130dB Feed of View (M) 2.8mm@ F1.6 Field of View (M) 97.68° Field of View (M) 97.68° Field of View (M) 52.67° Field of View (M) 52.67° Field of View (M) 63 Description Mecognize (m) Identify (m) BORI Distance Detect (m) Observe (m) Recognize (m) Identify (m) Illuminator Illuminator IR Range Up to 40m (131ft) IR range Wavelength 850m IR Range Up to 40m (131ft) IR range Video Wavelength 850m IR Range Up to 40m (131ft) IR range Video Compression Ultra 265, H.264, MDPG Wavelength Associate profile, Main profile, Main profile, High profile <th col<="" td=""><td>Shutter</td><td colspan="4">Auto / Manual, 1 ~ 1/100000s</td></th>	<td>Shutter</td> <td colspan="4">Auto / Manual, 1 ~ 1/100000s</td>	Shutter	Auto / Manual, 1 ~ 1/100000s				
Sn/N >s6dB Lens 2.8mm @ F1.6 Irise Fixed Fixed of View (M) 97.68° Fixed of View (M) S2.67° Fixed of View (M) S2.67° Fixed of View (M) Detect (m) Observe (m) Recognize (m) Identify (m) OBS Illuminator IR Range Up to 40m (131ft) IR range Wavelength 850mm IR Only Off Control Auto/Manual Video Video Compression Ultra 265, H.265, H.264, MIPES Video profile Baseline profile, Main profile, High profile Frame Rate Main Stream: 4MP (2688 x 1520), Max 30fps; 720P (1280 x 720) Max 30fps; 3MP (2304 x 1296), Max 30fps; 640 x 360, Max 30fps; 720P (1280 x 720) Max 30fps; 10720 x 576), Max 30fps; 640 x 360, Max 30fps; 720P (1280 x 720) Max 30fps; 10720 x 576), Max 30fps; 640 x 360, Max 30fps; 720P (1280 x 720) Max 30fps; 10720 x 576), Max 30fps; 640 x 360, Max 30fps; 540 x 288), Max 30fps; 540 x 288), Max 30fps; 540 x 288), Max 30	Adjustment angle (3-way Axis)	Pan: 0° ~ 352°; Tilt: 0° ~ 70°; Rotate: 0° ~ 350°					
Lens 2.8mm @ F1.6 Iris Fixed Field of View (N) 97.68° Field of View (N) \$2.67° Field of View (O) 102.52° DORI Detect (m) Observe (m) Recognize (m) Identify (m) 63 25.2 12.6 6.3 Illuminator IR Range Up to 40m (131th) IR range Very colspan="4">Very colspan="4">Ve	WDR	130dB					
Elens 2.8mm @ F1.6 Iris Fixed Field of View (N) 52.67° Field of View (O) 402.52° DORI Detect (m) Observe (m) Recognize (m) Identify (m) Both Distance Detect (m) Observe (m) Recognize (m) Identify (m) Illuminator IR Range Up to 40m (131ft) IR range Wavelength 850nm IR Range Up to 40m (131ft) IR range Video Used Compression Ultra 265, H.265, H.264, MJPE Video Compression Ultra 265, H.265, H.264, MJPE Washin Stream: 4MP (2688 x 1520), Max 30fps; 4MP (2560 x 1440), Max 30fps; 3MP (2004 x 1296), Max 30fps; 1080P (1920 x 1080) Frame Rate Sale in profile, Main profile, Main profile, Max 30fps; 720P (1280 x 720) Max 30fps; D1 (720 x 576), Max 30fps; 640 x 360, Max 30fps; 720P (1280 x 720) Max 30fps; D1 (720 x 576), Max 30fps; 640 x 360, Max 30fps; 720P (720 x 728), Max 30fps; 720P (720 x 728), Max 30fps; 720P (720 x 728), Max 30f	S/N	>56dB					
Fixed Field of View (H) 97.68° Field of View (V) 52.67° Field of View (O) 102.52° DORI DoRI Distance Detect (m) Observe (m) Recognize (m) Identify (m) Illuminator IR Range Up to 40m (131ft) IR range Very Colspan="4">Video Wavelength 850m IR On/Off Control Auto/Manual Video Compression Ultra 265, H.264, MJPEG H.264 code profile Baseline profile, Main profile, High profile Hanne Rate Baseline 1900 (1920 x 1080), Max 30fps; 4MP (2560 x 144U), Max 30fps; 3MP (2304 x 1296), Max 30fps; 1080P (1920 x 1080) Video Bit Rate 128 Kbps**16 Mbps Video Bit Rate 128 Kbps**16 Mbps U- code Support OSD Up to 8 areas Privacy Mask Up to 4 areas Video Stream Triple	Lens						
Field of View (H) 97.68° Field of View (V) 52.67° Field of View (O) 102.52° DORI DORI Detect (m)	Lens	2.8mm @ F1.6					
Field of View (V) 52.67° Field of View (O) 102.52° DORI DORI Distance Detect (m) Observe (m) Recognize (m) Identify (m) BORI Distance Detect (m) Observe (m) Recognize (m) Identify (m) Illuminator IR Range Up to 40m (131ft) IR range Wavelength 850nm IR On/Off Control Auto/Manual Video Video Compression Ultra 265, H.265, H.264, MIPE H.264 code profile Baseline profile, Main profile, High profile Main Stream: 4MP (2688 x 1520), Max 30fps; 4MP (2560 x 1440), Max 30fps; 3MP (2304 x 1296), Max 30fps; 1080P (1920 x 1080), Max 30fps; 4MP (2560 x 1440), Max 30fps; 3MP (2304 x 1296), Max 30fps; 1080P (1920 x 1080), Max 30fps; 20P (1280 x 720) Max 30fps; 01 (720 x 576), Max 30fps; 640 x 360, Max 30fps; 20F (704 x 288), Max 30fps; 540 x 360, Max 30fps; 20F (704 x 288), Max 30fps; 640 x 360, Max 30fps; 20F (704 x 288), Max 30fps; 640 x 360, Max 30fps; 20F (704 x 288), Max 30fps; 640 x 360, Max 30fps; 20F (704 x 288), Max 30fps; 640 x 360, Max 30fps; 640 x 360, Max 30fps; 640 x 260, Max 30fps; 640 x 260, Max 30fps; 640 x 260, Max 30f	Iris	Fixed					
Field of View (O) 102.52° DORI Distance Detect (m) Observe (m) Recognize (m) Identify (m) Illuminator IR Range Up to 40m (131ft) IR range S50nm IR On/Off Control Auto/Manual Video Video Compression Ultra 265, H.264, MJPEG H.264 code profile Baseline profile, Main profile, High profile Main Stream: 4MP (2688 x 15-20), Max 30fps; 4MP (2560 x 1440), Max 30fps; 3MP (2304 x 1296), Max 30fps; 1080) (1920 x 1080) Frame Rate Main Stream: 1080P (1920 x 1080), Max 30fps; 720P (1280 x 720) Max 30fps; D1 (720 x 576), Max 30fps; 640 x 360, Max 30fps; CIF (352 x 288), Max 30	Field of View (H)	97.68°					
DORI Detect (m) Observe (m) Recognize (m) Identify (m) 63 25.2 12.6 6.3 Illuminator IR Range Up to 40m (131ft) IR range Vereigneth 850nm IR On/Off Control Auto/Manual Video Video Compression Ultra 265, H.264, MJPEG H.264 code profile Baseline profile, Main profile, High profile H.264 code profile Baseline profile, Main profile, High profile Frame Rate Main Stream: 4MP (2688 x 1520), Max 30fps; 4MP (2560 x 1440), Max 30fps; 3MP (2304 x 1296), Max 30fps; 1080P (1920 x 1080), Max 30fps; 20F (704 x 288), Max 30fps; 20F (704 x	Field of View (V)	52.67°					
DORI Distance Detect (m) Observe (m) Recognize (m) Identify (m) Illuminator IR Range Up to 40m (131ft) IR range Wavelength 850nm S50mm Wavelength Wavelength <t< td=""><td>Field of View (O)</td><td colspan="4">102.52°</td></t<>	Field of View (O)	102.52°					
Name	DORI						
IR Range Up to 40m (131ft) IR range Wavelength 850nm IR On/Off Control Auto/Manual Video Video Compression Ultra 265, H.264, MJPEG H.264 code profile Baseline profile, Main profile, High profile Main Stream: 4MP (2688 x 1520), Max 30fps; 4MP (2560 x 1440), Max 30fps; 3MP (2304 x 1296), Max 30fps; 1080P (1920 x 1080) Frame Rate Sub Stream: 1080P (1920 x 1080), Max 30fps; 720P (1280 x 720) Max 30fps; D1 (720 x 576), Max 30fps; 640 x 360, Max 30fps; 2CIF (704 x 288), Max 30	DORI Distance	Detect (m)	Observe (m)	Recognize (m)	Identify (m)		
IR Range Up to 40m (131ft) IR range Wavelength 850nm IR On/Off Control Auto/Manual Video Video Compression Ultra 265, H.264, MJPEG H.264 code profile Baseline profile, Main profile, High profile Frame Rate Main Stream: 4MP (2688 x 1520), Max 30fps; 4MP (2560 x 1440), Max 30fps; 3MP (2304 x 1296), Max 30fps; 1080P (1920 x 1080) Frame Rate Sub Stream: 1080P (1920 x 1080), Max 30fps; 720P (1280 x 720) Max 30fps; D1 (720 x 576), Max 30fps; 640 x 360, Max 30fps Video Bit Rate 128 Kbps~16 Mbps U-code Support OSD Up to 8 OSDs Privacy Mask Up to 8 areas Video Stream Triple		63	25.2	12.6	6.3		
Wavelength850nmIR On/Off ControlAuto/ManualVideoVideoVideo CompressionUltra 265, H.264, MJPEGH.264 code profileBaseline profile, Main profile, High profileFrame RateMain Stream: 4MP (2688 x 1520), Max 30fps; 4MP (2560 x 1440), Max 30fps; 3MP (2304 x 1296), Max 30fps; 1080P (1920 x 1080)Frame RateSub Stream: 1080P (1920 x 1080), Max 30fps; 720P (1280 x 720) Max 30fps; D1 (720 x 576), Max 30fps; 640 x 360, Max 30fps; 2CIF (704 x 288), Max 30fpsVideo Bit Rate128 Kbps**16 MbpsU-codeSupportOSDUp to 8 OSDsPrivacy MaskUp to 4 areasROIUp to 8 areasVideo StreamTriple	Illuminator	Illuminator					
R On/Off Control Auto/Manual Video Video Compression Ultra 265, H.265, H.264, MJPEG H.264 code profile Baseline profile, Main profile, High profile Main Stream: 4MP (2688 x 1520), Max 30fps; 4MP (2560 x 1440), Max 30fps; 3MP (2304 x 1296), Max 30fps; 1080P (1920 x 1080) Frame Rate Sub Stream: 1080P (1920 x 1080), Max 30fps; 720P (1280 x 720) Max 30fps; D1 (720 x 576), Max 30fps; 640 x 360, Max 30fps; D1 (720 x 576), Max 30fps; CIF (352 x 288), Max 30fps Video Bit Rate 128 Kbps~16 Mbps U-code Support OSD Up to 8 OSDs Privacy Mask Up to 4 areas ROI Up to 8 areas Video Stream Triple	IR Range	Up to 40m (131ft) IR range					
VideoVideo CompressionUltra 265, H.265, H.264, MJPEGH.264 code profileBaseline profile, Main profile, High profileMain Stream: 4MP (2688 x 1520), Max 30fps; 4MP (2560 x 1440), Max 30fps; 3MP (2304 x 1296), Max 30fps; 1080P (1920 x 1080)Frame RateSub Stream: 1080P (1920 x 1080), Max 30fps; 720P (1280 x 720) Max 30fps; D1 (720 x 576), Max 30fps; 640 x 360, Max 30fps; 2CIF (704 x 288), Max 30fps; 2CIF (352 x 288), Max 30fpsVideo Bit Rate128 Kbps~16 MbpsU-codeSupportOSDUp to 8 OSDsPrivacy MaskUp to 4 areasROIUp to 8 areasVideo StreamTripleImage		850nm					
Video Compression Ultra 265, H.264, MJPEG Baseline profile, Main profile, High profile Main Stream: 4MP (2688 x 1520), Max 30fps; 4MP (2560 x 1440), Max 30fps; 3MP (2304 x 1296), Max 30fps; 1080P (1920 x 1080) Sub Stream: 1080P (1920 x 1080), Max 30fps; 720P (1280 x 720) Max 30fps; D1 (720 x 576), Max 30fps; 640 x 360, Max 30fps; 2CIF (704 x 288), Max 30fps; CIF (352 x 288), Max 30fps Third Stream: D1 (720 x 576), Max 30fps; 640 x 360, Max 30fps; 2CIF (704 x 288), Max 30fps; CIF (352 x 288), Max 30fps Video Bit Rate 128 Kbps~16 Mbps U-code Support OSD Up to 8 OSDs Privacy Mask Up to 4 areas ROI Up to 8 areas Video Stream Triple Image		Auto/Manual					
H.264 code profile Baseline profile, Main profile, High profile Main Stream: 4MP (2688 x 1520), Max 30fps; 4MP (2560 x 1440), Max 30fps; 3MP (2304 x 1296), Max 30fps; 1080P (1920 x 1080) Sub Stream: 1080P (1920 x 1080), Max 30fps; 720P (1280 x 720) Max 30fps; D1 (720 x 576), Max 30fps; 640 x 360, Max 30fps; 2CIF (704 x 288), Max 30fps Third Stream: D1 (720 x 576), Max 30fps; 640 x 360, Max 30fps; 2CIF (704 x 288), Max 30fps; CIF (352 x 288), Max 30fps Video Bit Rate 128 Kbps~16 Mbps U-code Support OSD Up to 8 OSDs Privacy Mask Up to 4 areas ROI Up to 8 areas Video Stream Triple Image		T					
Main Stream: 4MP (2688 x 1520), Max 30fps; 4MP (2560 x 1440), Max 30fps; 3MP (2304 x 1296), Max 30fps; 1080P (1920 x 1080) Frame Rate Sub Stream: 1080P (1920 x 1080), Max 30fps; 720P (1280 x 720) Max 30fps; D1 (720 x 576), Max 30fps; 640 x 360, Max 30fps; CIF (352 x 288), Max 30fps Third Stream: D1 (720 x 576), Max 30fps; 640 x 360, Max 30fps; 2CIF (704 x 288), Max 30fps; CIF (352 x 288), Max 30fps Video Bit Rate 128 Kbps~16 Mbps U-code Support OSD Up to 8 OSDs Privacy Mask Up to 4 areas ROI Up to 8 areas Video Stream Triple	•						
Frame Rate Sub Stream: 1080P (1920 x 1080), Max 30fps; 720P (1280 x 720) Max 30fps; D1 (720 x 576), Max 30fps; 640 x 360, Max 30fps; 2CIF (704 x 288), Max 30fps; CIF (352 x 288), Max 30fps; 2CIF (704 x 288), Max 30fps; CIF (352 x 288), Max 30fps; 2CIF (704 x 288), Max 30fps; CIF (352 x 288), Max 30fps Video Bit Rate 128 Kbps~16 Mbps U-code Support OSD Up to 8 OSDs Privacy Mask Up to 4 areas ROI Up to 8 areas Video Stream Triple Image	H.264 code profile						
Frame Rate Sub Stream: 1080P (1920 x 1080), Max 30fps; 720P (1280 x 720) Max 30fps; D1 (720 x 576), Max 30fps; 640 x 360, Max 30fps; 2CIF (704 x 288), Max 30fps; CIF (352 x 288), Max 30fps; 2CIF (704 x 288), Max 30fps; CIF (352 x 288), Max 30fps Video Bit Rate 128 Kbps~16 Mbps U-code Support OSD Up to 8 OSDs Privacy Mask Up to 4 areas ROI Up to 8 areas Video Stream Triple Image	Frame Rate						
Third Stream: D1 (720 x 576), Max 30fps; 640 x 360, Max 30fps; 2CIF (704 x 288), Max 30fps; CIF (352 x 288), Max 30fps Video Bit Rate							
Video Bit Rate 128 Kbps~16 Mbps U-code Support OSD Up to 8 OSDs Privacy Mask Up to 4 areas ROI Up to 8 areas Video Stream Triple Image							
U-code Support OSD Up to 8 OSDs Privacy Mask Up to 4 areas ROI Up to 8 areas Video Stream Triple Image	Video Rit Rate						
OSD Up to 8 OSDs Privacy Mask Up to 4 areas ROI Up to 8 areas Video Stream Triple Image							
Privacy Mask Up to 4 areas ROI Up to 8 areas Video Stream Triple Image							
ROI Up to 8 areas Video Stream Triple Image							
Video Stream Triple Image	·						
		Triple					
White Balance Auto / Outdoor / Fine Tune / Sodium Lamp / Locked / Auto2	Image	<u></u>					
	White Balance	Auto / Outdoor / Fine Tune / S	Sodium Lamp / Locked / Auto2				

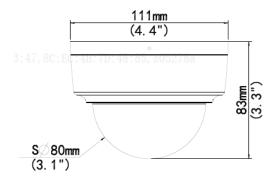


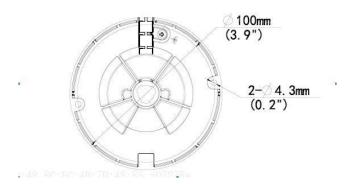
Digital Noise Reduction	2D / 3D DNR			
Smart IR	Support			
Flip	Normal / Vertical / Horizontal / 180° / 90°Clockwise / 90°Anti-clockwise (Corridor)			
HLC	Supported			
BLC	Supported			
Defog	Digital Defog			
Auto Scene Match (ASM)	Support (Only WDR)			
Intelligent Analytics				
Smart Intrusion Prevention	Support false alarm filtering: Cross Line detection, Intrusion detection, Enter Area detection, Leave Area detection			
Recognition	Face capture			
Attribute Collection	Color retrieval			
Statistical Analysis	People counting, support people flow counting and crowd density monitoring			
Intrusion Events				
Basic Detection	Motion detection, Ultra motion detection, tampering alarm, audio detection			
General Function	Watermark, IP address filtering, tampering alarm, alarm input, alarm output, access policy, ARP protection, RTSP authentication, user authentication			
Audio				
Audio Compression	G.711U, G.711A			
Audio Bitrate	64 Kbps			
Two-way audio	Support			
Suppression	Support			
Sampling Rate	8KHZ			
Storage				
Edge Storage	Micro SD, up to 256GB			
Network Storage	ANR			
Network				
Protocols	IPv4, IGMP, ICMP, ARP, TCP, UDP, DHCP, RTP, RTSP, RTCP, RTMP, DNS, DDNS, NTP, FTP, UPnP, HTTP, HTTPS, SMTP, QoS,			
	SSL/TLS, SNMP, SSH			
Compatible Integration	ONVIF (Profile S, Profile G, Profile T), API			
User/Host	Up to 32 users. 2 user levels: administrator and common user			
Security	Password protection, Strong password, HTTPS encryption, Export operation logs, Basic and digest authentication for RTSP, Digest authentication for HTTP, TLS 1.2, WSSE and digest authentication for ONVIF			
Client	Guard Station, Guard Viewer			
Web Browser	Plug-in required live view: IE 10 and above, Chrome 45 and above, Firefox 52 and above, Edge 79 and above; Plug-in free live view: Chrome 57.0 and above, Firefox 58.0 and above, Edge 16 and above			
Interface				
Audio I / O	Input: impedance 35kΩ; amplitude 2V [p-p]; Output: impedance 600Ω; amplitude 2V [p-p]			
Alarm I / O	1/1			
Autility O	*/*			



Built-in Mic	Support		
Network	1 * RJ45 10M/100M Base-TX Ethernet		
General			
Power	DC 12V±25%, PoE (IEEE 802.3af); Power consumption: Max 6.5W		
Power Interface	Ø 5.5mm coaxial power plug		
Dimensions (Ø × H)	Ø 111 x 83mm (Ø 4.4 x 3.3")		
Weight	0.42kg (0.93lb)		
Working Environment	-30°C ~ 60°C (-22°F ~ 140°F), Humidity: ≤95% RH (non-condensing)		
Surge Protection	4KV		
Conformity Certifications	IP67, IK10, CE, FCC		

Dimensions





Accessories

See Camera Accessories Guide

