PRO ⚙

Box Ultra Bullet

2MP/5MP/8MP Box Ultra Bullet

AI Video Analytics

- 8 intelligent VCA modes powered by AI engine, which can intelligently filter objects to focus on human and vehicle detection.
- People Counting technology provides high accuracy and real-time data based on AI algorithm with statistic reports.
- Face Detection function detects human faces in the monitoring scene and captures the snapshots, which greatly enhances the monitoring efficiency.

3 in 1 Super WDR Pro 140dB

140dB Super WDR Pro combines 3 frames with multiple exposures to get the optimal images especially moving subjects in high contrast lighting situations. Meanwhile, the cameras can capture full-color images in extremely low-light conditions reaching 0.001 Lux without extra light supplement.

30fps@4K

Providing 4K HD resolution with frame rate of 30fps, the camera performs well in catching detailed image regardless of the moving speed.

Various Zoom Lens Supported

The Pro Box Camera allows the user to choose different zoom lens and the various lens can provide new perspectives, which perfectly caters to the needs for flexible surveillance.

FEATURES

- Auto Back Focus (Adjust back focal length automatically.)
- 0.001 Lux Starlight (Detailed color images even in low light environment .
- Smart Stream saves on H.265+ 70%~80% bandwidth that of H.264.
- microSD/SDHC/SDXC card storage up to 256GB.
- RS485 port for PTZ control.

AI	H.265+ HEVC	SUPER WDR	STARLIGHT	3D NOISE REDUCTION
PrivacyMasking	G Q S T Onvif	PoE	SDXC SD card	MOTION DETECTION

MICROVIEW surveillance

TEL: +1-877-6774040   **EMAIL:** info@microviewsecurity.com   **WEBSITE:** www.microviewsecurity.com
MICROVIEW SECURITY: 70 East Sunrise Highway Valley Stream, NY 11581, New York

TECHNICAL SPECIFICATION

CAMERA

	MV-P220-BUB (2MP)	MV-P228-BUB (2MP)
Image Sensor	1/2" Progressive Scan CMOS	1/2.8" Progressive Scan CMOS
Min. Illumination	Color: 0.001Lux@F1.2 B/W: 0.0005Lux@F1.2	Color: 0.002Lux@F1.2 B/W: 0.001Lux@F1.2
WDR	140dB Super WDR Pro	140dB Super WDR (Super WDR Pro is optional for T Series)
Mount	C/CS	
Iris	P-Iris/DC-Iris	
Shutter Time	1/100000s~1s	
Day/Night Mode	Day/Night/Auto/Customize/Schedule	
S/N	>55dB	

VIDEO

Max.Image Resolution	1920x1080	
Primary Stream	60Hz: 100fps@(1920x1080)(Optional for T Series), 60fps@(1920x1080, 1280x960, 1280x720, 704x576) 50Hz: 100fps@(1920x1080)(Optional for T Series), 50fps@(1920x1080, 1280x960, 1280x720, 704x576)	
Secondary Stream	60Hz: 60fps@(704x576, 640x480, 640x360, 352x288, 320x240, 320x192, 320x180) 50Hz: 50fps@(704x576, 640x480, 640x360, 352x288, 320x240, 320x192, 320x180)	
Tertiary Stream	60Hz: 30fps@(1920x1080, 1280x720, 704x576, 640x480, 640x360, 320x240, 320x192, 320x180) 50Hz: 25fps@(1920x1080, 1280x720, 704x576, 640x480, 640x360, 320x240, 320x192, 320x180)	
Video Compression	H.265+/H.265(HEVC)/H.264+/H.264/MJPEG	
Video Bit Rate	16Kbps~16Mbps(CBR/VBR Adjustable)	
Privacy Masking	Up to 28 areas (24 mask areas and 4 mosaic areas)	
ROI	Up to 8 areas	
Image Setting	Brightness/Contrast/Saturation/Sharpness	

INTERFACE

Ethernet	1*RJ45 10M/100M Ethernet Port
Audio I/O	1/1
Alarm I/O	1/1

NETWORK

Network Storage	NAS(Support NFS, SMB/CIFS), ANR (Automatic Network Replenishment)
Protocol	IPv4/IPv6, ARP, TCP, UDP, RTCP, RTP, RTSP, RTMP, HTTP, HTTPS, DNS, DDNS, DHCP, FTP, NTP, SMTP, SNMP, UPnP, Bonjour, SIP, PPPoE, VLAN, 802.1x, QoS, IGMP, ICMP, SSL

TECHNICAL SPECIFICATION

AUDIO

	MV-P220-BUB (2MP)	MV-P228-BUB (2MP)
Audio Compression	G.711/AAC/G.722/G.726	
Audio Sampling Rate	8/16/32/44.1/48KHz	
Audio Bit Rate	16~256kbps	
Two-way Audio	Support	

INTELLIGENT ANALYTICS

Video Analysis	Region Entrance, Region Exiting, Advanced Motion Detection, Tamper Detection,Line Crossing, Loitering, Object Left, Object Removed	
Face Detection	Detect and capture faces, get real-time snapshots	
People Counting& Report	Count the number of people entering or exiting, up to 4 detection areas for regional people counting	

SYSTEM

Auto Back Focus	Support(Optional)	
Storage	Support microSD/SDHC/SDXC Card Local Storage, up to 256Gb	
Advanced Function	Heat Map, BLC, HLC, 2D DNR, 3D DNR, Defog, AWB, EIS, IP Address Filtering, AGC, Anti-flicker, Corridor Mode, Deblur, Watermark	
SIP/VoIP Support	Yes, Voice & Video-over-IP	
Event Trigger	Motion Detection, Network Disconnection, Audio Alarm, External Input, etc.	
Event Action	FTP Upload, SMTP Upload, SD Card Record, External Output, SIP Phone, HTTP Notification, etc.	
System Compatibility	ONVIF Profile G & Q & S & T, API	

GENERAL

Working Temperature	-40°C~60°C	
Working Humidity	0~90%(Non-condensing)	
Power Supply	PoE (802.3af) / DC 12V±10%	
Power Consumption	8W MAX for -PC Series 10W MAX for -EPC Series	
Weight	427g(For ABF version)/366g(For Non-ABF version)	
Dimensions	130mmX75mmX66mm	
Warranty	3/5 Years	

PRO SERIES

TECHNICAL SPECIFICATION

CAMERA

	MV-P528-BUB (5MP)	MV-P828-BUB (4K)	MV-P818-BUB (4K)
Image Sensor	1/2.8" Progressive Scan CMOS		1/1.8" Progressive Scan CMOS
Min. Illumination	Color: 0.005Lux@F1.2 B/W: 0.002Lux@F1.2	Color: 0.01Lux@F1.2 B/W: 0.005Lux@F1.2	Color: 0.006Lux@F1.2 B/W: 0.002Lux@F1.2
WDR	120dB Super WDR		
Mount	C/CS		
Iris	P-Iris/DC-Iris		
Shutter Time	1/100000s~1s		
Day/Night Mode	Day/Night/Auto/Customize/Schedule		
S/N	>55dB		

VIDEO

Max.Image Resolution	2592x1944	3840x2160
Primary Stream	60Hz: 30fps@(2592x1944), 45fps@(2048x1536), 60fps@(1920x1080, 1280x960, 1280x720, 704x576) 50Hz: 25fps@(2592x1944),45fps@(2048x1536), 50fps@(1920x1080,1280x960, 1280x720, 704x576)	60Hz: 30fps@(3840x2160, 3072x2048, 2592x1944, 2592x1520, 2048x1536, 1920x1080, 1280x960, 1280x720, 704x576) 50Hz: 25fps@(3840x2160, 3072x2048, 2592x1944, 2592x1520, 2048x1536, 1920x1080, 1280x960, 1280x720, 704x576)
Secondary Stream	60Hz: 30fps@(704x576, 640x480, 640x360, 352x288, 320x240, 320x192, 320x180) 50Hz: 25fps@(704x576, 640x480, 640x360, 352x288, 320x240, 320x192, 320x180)	
Tertiary Stream	60Hz: 30fps@(1920x1080, 1280x720, 704x576, 640x480, 640x360, 320x240, 320x192, 320x180) 50Hz: 25fps@(1920x1080, 1280x720, 704x576, 640x480, 640x360, 320x240, 320x192, 320x180)	
Video Compression	H.265+/H.265(HEVC)/H.264+/H.264/MJPEG	
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Privacy Masking	Up to 28 areas(24 mask areas and 4 mosaic areas)	
ROI	Up to 8 areas	
Image Setting	Brightness/Contrast/Saturation/Sharpness	

INTERFACE

Ethernet	1*RJ45 10M/100M Ethernet Port
Audio I/O	Built-in Microphone

NETWORK

Network Storage	NAS(Support NFS, SMB/CIFS), ANR (Automatic Network Replenishment)
Protocol	IPv4/IPv6, ARP, TCP, UDP, RTCP, RTP, RTSP, RTMP, HTTP, HTTPS, DNS, DDNS, DHCP, FTP, NTP, SMTP, SNMP, UPnP, Bonjour, SIP, PPPoE, VLAN, 802.1x, QoS, IGMP, ICMP, SSL

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Audio Sampling Rate		8/16/32/44.1/48KHz	
Audio Bit Rate		16~256kbps	
Two-way Audio		Support	

INTELLIGENT ANALYTICS

Video Analysis		Region Entrance, Region Exiting, Advanced Motion Detection, Tamper Detection, Line Crossing, Loitering, Object Left, Object Removed	
Face Detection		Detect and capture faces, get real-time snapshots	
People Counting& Report		Count the number of people entering or exiting, up to 4 detection areas for regional people counting	

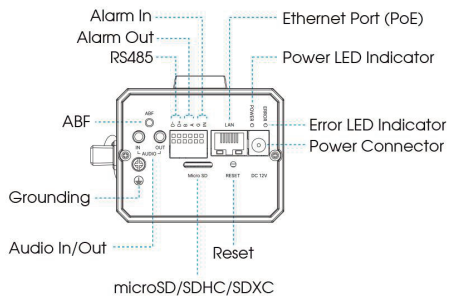## SYSTEM

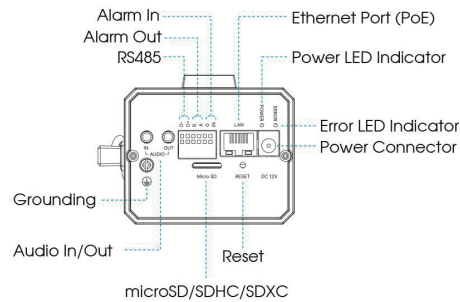|			
Storage		Support microSD/SDHC/SDXC Card Local Storage, up to 256Gb	
Advanced Function		Heat Map, BLC, HLC, 2D DNR, 3D DNR, Defog, AWB, EIS, IP Address Filtering, AGC, Anti-flicker, Corridor Mode, Deblur, Watermark	
SIP/VoIP Support		Yes, Voice & Video-over-IP	
Event Trigger		Motion Detection, Network Disconnection, Audio Alarm, External Input, etc.	
Event Action		FTP Upload, SMTP Upload, SD Card Record, External Output, SIP Phone, HTTP Notification, etc.	
System Compatibility		ONVIF Profile G & Q & S & T, API	

GENERAL

Working Temperature		-40°C~60°C	
Working Humidity		0~90%(Non-condensing)	
Power Supply		PoE (802.3af) / DC 12V±10%	
Power Consumption		7W MAX	
Weight		366g	
Dimensions		130mmX75mmX66mm	
Warranty		3/5 Years	

STRUCTURE DIAGRAMS

Alarm In
Alarm Out
RS485
ABF
Grounding
Audio In/Out
microSD/SDHC/SDXC
Ethernet Port (PoE)
Power LED Indicator
Error LED Indicator
Power Connector
Reset

(ABF)

Alarm In
Alarm Out
RS485
Grounding
Audio In/Out
microSD/SDHC/SDXC
Ethernet Port (PoE)
Power LED Indicator
Error LED Indicator
Power Connector
Reset

(Non-ABF)

66
60
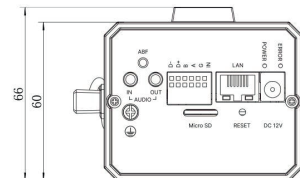
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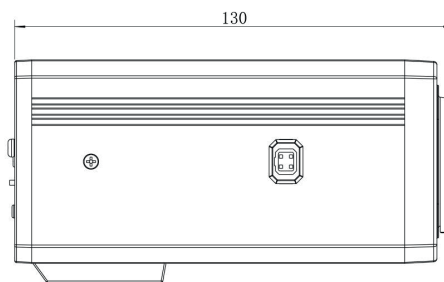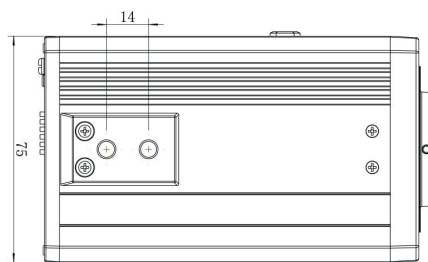
Units: mm

ACCESSORIES

A51 Protective Housing

Weight: 1988g
Dimensions: 380*150*H mm (H is adjustable)