



PRO 

Motorized Ultra Bullet Plus FEATURES

2M/5M/8M AI Motorized Ultra Bullet Plus

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 & 0.001 Lux Ultra Low-light

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.

Integrated Cable Management Bracket

In the base support, there are power interface, PoE port, Audio I/O and Alarm I/O interfaces. Thanks to the Integrated Cable Management, it takes no effort in installation. Besides, the creative clamshell design minimizes the installation troubles and enlarges the space to make cable connection a piece of cake.

- Smart IR II (Combining the High Beam and Low Beam to adjust IR intensity).
- HLC (Improving image visibility under strong light sources).
- P-Iris (Giving you a more clear scene with depth of view).
- Defog (Restoring clear images in hazy and foggy weather.)
- microSD/SDHC/SDXC card storage up to 256GB.



PRO SERIES


TECHNICAL SPECIFICATION

CAMERA

	MV-P220-MUBP (2MP)	MV-P228-MUBP (2MP)	MV-P528-MUBP (5MP)
Image Sensor	1/2" Progressive Scan CMOS		1/2.8" Progressive Scan CMOS
Min. Illumination	Color: 0.001Lux@F1.2 Color: 0.002Lux@F1.4 B/W: 0Lux with IR on	Color: 0.002Lux@F1.2 Color: 0.005Lux@F1.4 B/W: 0Lux with IR on	Color: 0.005Lux@F1.2 Color: 0.008Lux@F1.4 B/W: 0Lux with IR on
WDR	140dB Super WDR Pro	140dB Super WDR (Super WDR Pro is optional for T Series)	120dB Super WDR
Shutter Time	1/100000s~1s		
IR Distance	Up to 65m	Up to 65m(3.0~10.5mm/2.7~13.5mm)Up to 100m(7~22mm)	
Day/Night Mode	Day/Night/Auto/Customize/Schedule		
S/N	>55dB		

LENS

	Motorized 3.6~10mm@F1.4 P-Iris(Optional)	Motorized 2.7~13.5mm/3.0~10.5mm/7~22mm@F1.4 P-Iris(Optional)
Mount	Ø14	
Field of View	H100°~H45°/ D116°~D51°/ V57°~V25°	H113°~H33°/D130°~D38°/V60°~V18° (2.7~13.5mm) H104°~H34°/D120°~D39°/V57°~V19° (3.0~10.5mm) H45°~H17°/D53°~D20°/V25°~V9° (7~22mm)
Focus Control	Auto/Manual	
Iris Control (Optional for I Series)	Auto/Manual	

VIDEO

	1920x1080	2592x1944
Max. Image Resolution		
Primary Stream	60Hz: 100fps@(1920x1080), 60fps@(1920x1080, 1280x960, 1280x720, 704x576)	60Hz: 100fps@(1920x1080)(Optional for T Series), 60fps@(1920x1080, 1280x960, 1280x720, 704x576)
Secondary Stream	50Hz: 100fps@(1920x1080), 50fps@(1920x1080, 1280x960, 1280x720, 704x576)	60Hz: 30fps@(2592x1944), 45fps@(2048x1536), 60fps@(1920x1080, 1280x960, 1280x720, 704x576) 50Hz: 25fps@(2592x1944), 45fps@(2048x1536), 50fps@(1 920x1080, 1280x960, 1280x720, 704x576)
Tertiary Stream	60Hz: 30fps@(704x576, 640x480, 640x360, 352x288, 320x240, 320x192, 320x180) 50Hz: 25fps@(704x576, 640x480, 640x360, 352x288, 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

TECHNICAL SPECIFICATION

NETWORK

	MV-P228-MUBP (2MP)	MV-P220-MUBP (2MP)	MV-P528-MUBP (5MP)
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		

AUDIO

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

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 15W MAX(With IR on)	8W MAX 16W MAX(With IR on)	7W MAX 16W MAX(With IR on)
Housing	Vandal-proof IK10-rated Metal Housing / Up to IP67-rated for Weather-resistant Performance		
Surge Protection	4KV		
Weight	1630g		
Dimensions	301mmX108mmX98mm		
Warranty	3/5 Years		

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WDR	120dB Super WDR
Shutter Time	1/100000s~1s
IR Distance	Up to 65m
Day/Night Mode	Day/Night/Auto/Customize/Schedule
S/N	>55dB

LENS

Lens	Motorized 3.6~10mm@F1.4 P-Iris(Optional)
Mount	Ø14
Field of View	H116°~H48°/D134°~D55°/V65°~V27°
Focus Control	Auto/Manual
Iris Control (Optional for I Series)	Auto/Manual

VIDEO

Max. Image Resolution	3840x2160
Primary Stream	60Hz: 30fps@(3840x2160, 3072x2048, 2592x1944, 2592x1520, 2048x1536, 1920x1080, 1280x960, 1280x720, 704x576) 50Hz: 25fps@(3840x2160, 3072x2048, 2592x1944, 2592x1520, 2048x1536, 1920x1080, 1280x960, 1280x720, 704x576)
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