

Technical Specifications for the Bullet/ Dome 5M PLUS AI Fixed Lens IP Cameras

Items		Description	
		Starlight Bullet IP Camera	Starlight Dome IP Camera
		1099/500B	1099/550B
Camera	Image Sensor	1/2.7" Progressive CMOS	
	Video Format	Optional format P/N	
	Minimum Luminance	Colour 0.004lux @ F1.6(AGC ON); B/W 0 lux @ IR ON	
	Lens Mount/Lens Type	2.8 mm Fixed Lens	
	Viewing angle	Horizontal: 110°, Vertical: 58°, Diagonal: 133°	
	Shutter Speed	1/5 ~ 1/20000s	
	Shutter Slowdown	Supported	
	D/N change mode	IR cut filter (Day/Night/Auto/Schedule/Image)	
	Wide Dynamic Range	WDR	
	Digital noise reduction	3D DNR	
	IR illuminator range	2 items (ARRAY) / Approx. 20m	
Standard Compression	Standard Video Compression	H.265+ / H.264+ / H.265 / H.264/ MJPG (SubStream only)	
	Video Compression Rate	256Kbps~ 8Mbps	
Picture	Max. Resolution	5MP 2880(H)×1620(V)	
	Frame Rate	<p>Mainstream (1-30fps)</p> <p>5MP (2880x1620),4MP (2592x1520)</p> <p>3MP (2304x1296),1080P (1920x1080)</p> <p>720P (1280x720)</p> <p>Substream (1-30fps)</p> <p>720P(1280x720), VGA (640x480), QVGA (320x240)</p> <p>Mobile Stream (1-30fps)</p> <p>VGA (640x480), QVGA (320x240)</p>	

Items		Description	
		Starlight Bullet IP Camera	Starlight Dome IP Camera
		1099/500B	1099/550B
	Image settings	Rotation, Saturation, Brightness, Contrast, Sharpness, settings can be adjusted via Client Software or Web Browser	
Users	No.: Max. Stream/PC access	Max 7 (admin+user)	
Software Functions	E-mail Alarm	YES	
	FTP	Image upload to FTP Server/ Cloud Dropbox (on alarm event)	
	RTSP	YES	
	P2P	YES	
	NTP, DST, Sync. with PC time	YES	
	ROI	YES	
	Web/Client/ Mobile	<p>Multi-Browser Support: IE 10,11, Edge V.79/higher, Chrome 57/higher, Firefox 52/higher, Safari 12/higher</p> <p>Urmet UVS Pro Client Support: Windows 7 O.S. or higher / MAC O.S. 10.8.0 or higher</p> <p>iUVS Pro Software Mobile Support: (iOS, Android)</p>	
SMART capability	Smart analysis	<p>YES</p> <p>Stationary Object Detection (SOD), Face Detection (FD), Sound Detection, Face recognition (FR), Human & Vehicle detection (PD&VD), Perimeter Intrusion Detection (PID), Line crossing Detection (LCD), Cross Counting (CC), Heat Map, Crowd Density Detection (CD), Queue Length Detection (QD), License plate detection (LPD), Rare sound detection (RSD)</p>	
Network	Protocols	<p>TCP/IP, HTTP, DHCP, DNS, DDNS, RTP/RTSP, SMTP, NTP, UPnP, SNMP, HTTPS, FTP</p>	
Interface	Communication interface	1 RJ45 10M / 100M Ethernet interface	
	System compatibility	ONVIF (S/G/T Profile)	

Items		Description	
		Starlight Bullet IP Camera	Starlight Dome IP Camera
		1099/500B	1099/550B
	Security	IP filtering function; password strength; username and password authentication	
	Alarm trigger	NO	
	Audio	Built-in microphone	
	Protection rating	IP67	
	Protective connector	Waterproof RJ45 connector	
	Reset button	YES	
	SD Card	Supports up to 256GB (not included in supply)	
	Analogue Video Output	NO	
	PoE	YES	
General Specifications	Operating conditions	-35~+60°C/ below ≤ 95% RH	
	Power supply	12 VDC ± 10%, PoE (802.3af)	
	Power consumption	3W(D) / 5.5W(N)	
	Dimensions (LxHxD or ØxH in mm)	150.8x70.9x70.9	Ø100x90
	Weight (g)	400	415

Technical Specifications for the Bullet/Dome 5M PLUS AI Motorised Lens IP Cameras

Items		Description		
		Starlight Bullet IP Camera	Starlight Dome IP Camera	Starlight Vandal Dome IP Camera
		1099/501B	1099/551B	1099/552B
Camera	Image Sensor	1/2.7" Progressive CMOS		
	Video Format	Optional format P/N		
	Minimum Luminance	Colour 0.004lux @ F1.6(AGC ON); B/W 0 lux @ IR ON		
	Lens Mount/Lens Type	2.8 - 12 mm		
	Viewing angle	Horizontal: 107 ~ 34°, Vertical: 55 ~ 19°, Diagonal: 134 ~ 38°		
	Shutter Speed	1/5 ~ 1/20000s		
	Shutter Slowdown	Supported		
	D/N change mode	IR cut filter (Day/Night/Auto/Schedule/Image)		
	Wide Dynamic Range	WDR		
	Digital noise reduction	3D DNR		
	IR illuminator range	4pcs (ARRAY) / ~ 45m	2pcs (ARRAY) / ~ 30m	
Standard Compression	Standard Video Compression	H.265+ / H.264+ / H.265 / H.264/ MJPG (SubStream only)		
	Video Compression Rate	256Kbps-8Mbps		
Picture	Max. Resolution	5MP (2880x1620)		
	Frame Rate	<p>Mainstream (1-30fps)</p> <p>5MP (2880x1620),4MP (2592x1520)</p> <p>3MP (2304x1296),1080P (1920x1080)</p> <p>720P (1280x720)</p> <p>Substream (1-30fps)</p> <p>720P(1280x720), VGA (640x480), QVGA (320x240)</p> <p>Mobile Stream (1-30fps)</p>		

Items		Description		
		Starlight Bullet IP Camera	Starlight Dome IP Camera	Starlight Vandal Dome IP Camera
		1099/501B	1099/551B	1099/552B
		VGA (640x480), QVGA (320x240)		
	Image settings	Rotation, Saturation, Brightness, Contrast, Sharpness, settings can be adjusted via Client Software or Web Browser		
Users	No.: Max. Stream/PC access	Max 7 (admin+user)		
Software Functions	E-mail Alarm	YES		
	FTP/Cloud	Image upload to FTP Server/ Cloud Dropbox (on alarm event)		
	RTSP	YES		
	P2P	YES		
	NTP, DST, Sync. with PC time	YES		
	ROI	YES		
	Web/Client/ Mobile	<p align="center">Multi-Browser Support:</p> <p align="center">IE 10,11, Edge V.79/higher, Chrome 57/higher, Firefox 52/higher, Safari 12/higher</p> <p align="center">Urmet UVS Pro Client Support:</p> <p align="center">Windows 7 O.S. or higher / MAC O.S. 10.8.0 or higher</p> <p align="center">iUVS Pro Software Mobile Support: (iOS, Android)</p>		
SMART capability	Smart analysis	<p align="center">YES</p> <p align="center">Stationary Object Detection (SOD),</p> <p>Face Detection (FD), Sound Detection, Face recognition (FR), Human & Vehicle detection (PD&VD), Perimeter Intrusion Detection (PID), Line crossing Detection (LCD), Cross Counting (CC), Heat Map, Crowd Density Detection (CD), Queue Length Detection (QD), License plate detection (LPD), Rare sound detection (RSD)</p>		

Items		Description		
		Starlight Bullet IP Camera	Starlight Dome IP Camera	Starlight Vandal Dome IP Camera
		1099/501B	1099/551B	1099/552B
Network	Protocols	TCP/IP, HTTP, DHCP, DNS, DDNS, RTP/RTSP, SMTP, NTP, UPnP, SNMP, HTTPS, FTP		
Interface	Communication interface	1 RJ45 10M / 100M Ethernet interface		
	System compatibility	ONVIF (S/G/T Profile)		
	Security	IP filtering function; password strength; username and password authentication		
	Alarm trigger	1 alarm input, 1 alarm output		
	Audio	1 audio input (RCA), 1 audio output (RCA)		
	Protection rating	IP67		
	Protective connector	Waterproof RJ45 connector		
	Reset button	YES		
	SD Card	YES, supports up to 256 GB (not included in supply)		
	Analogue Video Output	NO		
	PoE	YES		
General Specifications	Operating conditions	-35~+60°C/ below ≤ 95% RH		
	Power supply	12 VDC ± 10%, PoE (802.3af)		
	Power consumption	4W(D) / 9W(N)		4W(D) / 7W(N)
	Dimensions (LxHxD or ØxH in mm)	247x87.4x83.9	Ø135X120	Ø150x109
	Weight(g)	811	846	972

Technical specifications for the Bullet 5M PLUS motorised lens IP camera

Items		Description
		Starlight Bullet IP Camera
		1099/502B
Camera	Image Sensore	1/2.7" Progressive CMOS
	Video Format	Optional format P/N
	Minimum Luminance	Color 0.002lux @ F1.2(AGC ON); B/W 0 lux @ IR ON
	Lens Mount/Lens Type	5 – 50 mm/Motorised
	Viewing angle	Horizontal: 45.32°~ 7°, Vertical: 33.48° ~ 5.2°, Diagonal: 57.94° ~ 9°
	Shutter Speed	1/5 ~ 1/20000s
	Shutter Slowdown	Supported
	D/N change mode	IR cut filter (Day/Night/Auto/Schedule/Image)
	Wide Dynamic Range	WDR
	Digital noise reduction	3D DNR
	IR illuminator range	4pcs (ARRAY) / Approx. 80m
Standard Compression	Standard Video Compression	H.265+ / H.264+ / H.265 / H.264/ MJPG (SubStream only)
	Video Compression Rate	256Kbps~ 8Mbps
Picture	Max. Resolution	5MP 2880(H)×1620(V)
	Frame Rate	<p>Mainstream (1-30fps)</p> <p>5MP (2880x1620), 4MP (2592x1520), 3MP (2304x1296), 1080P(1920x1080), 960P(1280*960),720P(1280x720)</p> <p>Substream (1-30fps)</p> <p>720P(1280x720), VGA (640x480), QVGA (320x240)</p> <p>Mobile Stream (1-30fps)</p> <p>VGA (640x480), QVGA (320x240)</p>
	Image settings	Rotation, Hue, Saturation, Brightness, Contrast, Sharpness,

Items		Description
		Starlight Bullet IP Camera
		1099/502B
		settings can be adjusted via Client Software or Web Browser
Users	No.: Max. Stream/PC access	Max 7 (admin+user)
Software Functions	E-mail Alarm	YES
	FTP	Upload images to FTP Server / images to Cloud Dropbox (on alarm event)
	RTSP	YES
	P2P	YES
	NTP, DST, Sync. with PC time	YES
	Web/Client/ Mobile	<p>Multi-Browser Support: IE 10,11, Edge V.79/higher, Chrome 57/higher, Firefox 52/higher, Safari 12.1/higher</p> <p>Urmet UVS Pro Client Support: Windows 7 O.S. or higher / MAC O.S. 10.8.0 or higher</p> <p>iUVS Pro Software Mobile Support: (iOS, Android)</p>
SMART capability	Smart analysis	<p>YES</p> <p>Stationary Object Detection (SOD), Face Detection (FD), Sound Detection, Face recognition (FR), Human & Vehicle detection (PD&VD), Perimeter Intrusion Detection (PID), Line crossing Detection (LCD), Cross Counting (CC), Heat Map, Crowd Density Detection (CD), Queue Length Detection (QD), License plate detection (LPD), Rare sound detection (RSD)</p>
Network	Protocols	TCP/IP, HTTP, DHCP, DNS, DDNS, RTP/RTSP, SMTP, NTP, UPnP, SNMP, HTTPS, FTP
Interface	Communication interface	1 RJ45 10M / 100M Ethernet interface
	System compatibility	ONVIF (S/G/T Profile)

Items		Description
		Starlight Bullet IP Camera
		1099/502B
	Security	IP filtering function; password strength; username and password authentication
	Alarm trigger	1 alarm input, 1 alarm output
	Audio	1 audio input (RCA), 1 audio output (RCA)
	Protection rating	IP67
	Protective connector	Waterproof RJ45 connector
	Reset button	YES
	SD Card	Supports up to 256GB (not included in supply)
	Analogue Video Output	NO
	PoE	YES
General Specifications	Operating conditions	-35~+60°C/ below ≤ 95% RH
	Power supply	12 VDC ± 10%, PoE (802.3af)
	Power consumption	7.5W(Day mode) / 10.5W(Night mode)
	Dimensions (LxHxD in mm)	301x108x108
	Weight (g)	1465