



Double Full HD resolution.

Professional Series: Motorised lens bullets available in 2.0MP & 4.0MP

Each bullet in this series can remotely configure wide or narrow field of view, allowing you to enjoy hassle free surveillance installation and adjustment should your surveillance requirements or environment change.

- Stream up to 4.0MP (2688 x 1520, 16:9 ratio) at 20fps
- Motorised lens & fixed iris for up to 4x optical zoom
- Long 60m infrared range; true day/night (auto ICR)
- MicroSD slot for recording at the edge up to 128GB
- Back/highlight compensation & true WDR (120dB)
- 3D digital noise reduction & auto white balance
- IP67 weather rated housing for outdoor use
- ONVIF, PSIA and CGI compliance



True Wide Dynamic Range



Double Full HD Resolution



Long Range 60m Infrared

Series Specifications

Model		VVIP2MPFBIRM2.8-12	VVIP4MPFBIRM2.8-12	
Camera	Image Sensor	1/3" 2.0MP Progressive Scan CMOS	1/3" 4.0MP Progressive Scan Exmor CMOS	
	Effective Pixels	1920 (H) x 1080 (V)	2688 (H) x 1520 (V)	
	RAM / ROM	256M / 16MB		
	Min Illumination	0.1 Lux/F1.4 (Color), 0 Lux/F1.4 (IR on)		
	S/N Ratio	> 50dB		
Lens	Infrared System	4 x Infrared LED, 60m range, Auto/manual on/off control		
	Lens / Iris	2.8 ~ 12mm F1.4 Motorised Varifocal Lens with Fixed Iris		
	Field of View	Horizontal: 99°~37°, Vertical: 52°~21° (4x Optical Zoom)	Horizontal: 100°~35°, Vertical: 54°~20° (4x Optical Zoom)	
Focus		Auto Focus / 0.3m Focus Distance		
Video	Resolution	1080p (1920 x 1080) to CIF (352 x 288)	4.0MP (2688 x 1520) to CIF (352 x 288)	
	Frame Rate	Main	1080p (1 ~ 25fps)	4.0MP (1 ~ 20fps) / 3.0MP (1 ~ 25fps)
		Sub	D1 (1 ~ 25fps)	D1 (1 ~ 25fps)
		Third	N/A	N/A
	Video Compression	H.264+ / H.264		
	Bit Rate	H.264: 24 ~ 8192Kbps		
	Bit Rate Control	Constant bit rate (CBR) / Variable bit rate (VBR)		
	Day/Night	Auto (ICR) / Color / B&W		
	Lighting Compensation	BLC / HLC / WDR (120dB)		
	White Balance	Auto / Natural / Street Lamp / Outdoor / Manual		
Gain Control	Auto / Manual			
Noise Reduction	3D DNR			
Picture Control	Mirror / Flip (0°, 90°, 180°, 270°)			
IVS	Intelligent Functions	Motion Detection (4 zones), Region of Interest (4 zones), Privacy Masking (4 zones), Smart Infrared		
	Ethernet	RJ-45 (10/100Base-T)		
Network	Protocol	HTTP; HTTPS; TCP; ARP; RTSP; RTP; UDP; SMTP; FTP; DHCP; DNS; DDNS; PPPoE; IPv4/v6; QoS; UPnP; NTP; Bonjour; 802.1x; Multicast; ICMP; IGMP; SNMP		
	Streaming Method	Unicast / Multicast		
	Max. User Access	10 Users / 20 Users		
	Video Interface	N/A		
Interface	Audio Interface	N/A		
	Alarm Interface	N/A		
	RS485	N/A		
	Edge Storage	MicroSD Card (up to 128GB) / NAS / Local PC		
	Interoperability	ONVIF / PSIA / CGI		
Environmental	Power Supply	12VDC / PoE (802.3af) (Class 0)		
	Power Consumption	<13W		
	Operating Conditions	-30° ~ +60° C / Less than 95% RH		
	Ingress Protection	IP67		
	Vandal Resistance	N/A		
	Housing	Metal		
	Pan/Tilt/Rotation	Pan: 0° ~360°; Tilt: 0° ~90°; Rotation: 0° ~ 360°		
	Dimensions	Ø72mm x 80mm x 213mm		
Net Weight		0.685kg		
Application	Diagrams			
	Accessories			
Models		Junction Box (VSBKTA135)	Pole Mount (VSBKTA135 + VSBKTA150)	
			Corner Mount (VSBKTA135 + VSBKTA151)	