



**HiWatch** series  
Powered by HIKVISION

# HIWATCH

## 2.0 MP CMOS VARI-FOCAL NETWORK BULLET CAMERA

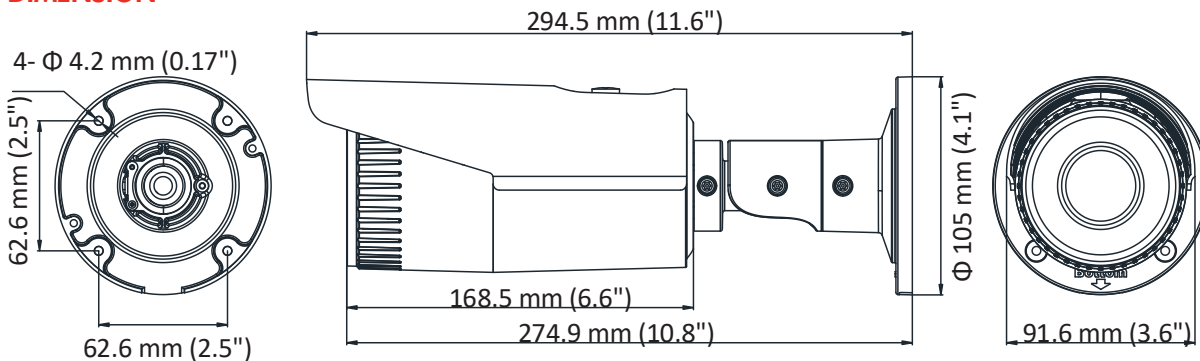
PSAHIWC21VIP



### KEY FEATURES

- 1/2.8" progressive scan CMOS
- Up to 2.0 megapixel
- 2.8 mm to 12 mm manual/motorized (with -Z) vari-focal lens
- Up to 30 m IR range
- Dual stream
- 120 dB WDR (Wide Dynamic Range)
- 3D DNR (Digital Noise Reduction)
- PoE (Power over Ethernet)
- IP67
- Mobile monitoring via CCTV Guard

### DIMENSION



FIRE • SECURITY • INTERCOMS

17 Millicent Street, Burwood, VIC 3125 Australia

Tel: 1300 PSA PRODUCTS (1300 772 776)

Fax: (03) 9888 9993

enquiry@psaproducts.com.au psaproducts.com.au

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Camera Specs	
Image Sensor	1/2.8" progressive scan CMOS
Min. illumination	Color: 0.01 Lux @(F1.2,AGC ON), 0 Lux with IR
Shutter Speed	1/3 s to 1/100, 000 s, support slow shutter
Lens	2.8 mm to 12 mm @F1.4 , horizontal field of view: 100° to 35°
Lens Mount	Φ14
Day & Night	IR cut filter with auto switch
3-Axis Adjustment (Bracket)	Pan: 0° to 355°, tilt: 0° to 100°, rotation: 0° to 355°
DNR (Digital Noise Reduction)	3D DNR
WDR (Wide Dynamic Range)	120 dB
Compression Standard	
Video Compression	Main stream: H.264+/H.264 Sub stream: H.264/MJPEG
H.264 Type	Baseline profile/Main profile
Video Bit Rate	32 Kbps to 8 Mbps
Dual Stream	Support
Image	
Max. Resolution	1920 × 1080
Main Stream	50Hz: 25fps @(1920 × 1080, 1280 × 960, 1280 × 720)
Max. Frame Rate	60Hz: 30fps @(1920 × 1080, 1280 × 960, 1280 × 720)
Sub-stream	50Hz: 25fps @(704 × 576, 640 × 480, 352 × 288, 320 × 240)
Max. Frame Rate	60Hz: 30fps @(704 × 480, 640 × 480, 352 × 240, 320 × 240)
Image Settings	Brightness, saturation, contrast, sharpness are adjustable via web browser or client software
Day/Night Switch	Support auto, scheduled
Others	Mirror, BLC (area configurable), region of interest (support 1 fixed region)
Network	
Network Storage	Support micro SD/SDHC/SDXC card (128G), local storage and NAS (NFS, SMB/CIFS), ANR
Detections	Motion detection
Alarms	Video tampering, network disconnected, IP address conflicted, HDD full, HDD error
Protocols	TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, NTP, UPnP, SMTP, IGMP, 802.1X, QoS, IPv6, Bonjour
Standard	ONVIF (PROFILE S, PROFILE G), PSIA, CGI, ISAPI
General Function	One-key rest, anti-flicker, heartbeat, mirror, password protection, privacy mask, watermark, IP address filter
Interface	
Communication Interface	1 RJ45 10M/100M self-adaptive Ethernet port
Video Output (Without -Z)	1Vp-p composite output (75Ω/BNC)
Reset	Support
General	
Operating Conditions	-30 °C to 60°C (-22 °F to 140°F), humidity: 95% or less (non-condensing)
Power Supply	DC12V ± 25%, PoE (802.3af)
Power Consumption	Max. 5.5 W/11 W (with -Z)
Ingress Protection	IP 67
IR Range	Up to 30 m
Dimensions	91.6 mm × 105 mm × 294.5 mm (3.6" × 4.1" × 11.6")
Weight	1200 g (2.6 lb.)