

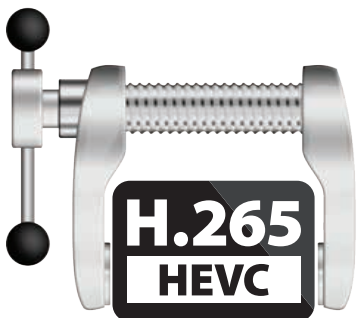


# Discreet HD surveillance.

**Pinhole Series: Covert, small profile cameras available in 1.0MP, 2.0MP & 4.0MP**

Designed for discreet surveillance applications, Pinhole Series cameras are ideal in controlled ingress points, in-shelf surveillance, in vehicles, ATMs and more. Two compact camera styles enable CCTV use in difficult locations.

- Stream up to 4.0MP (2688 x 1520) at 25fps
- 2.8mm (104°, 83°) and 3.6mm (77°) models
- Electronic day/night and 3D digital noise reduction
- Includes pinhole brackets and connector cables
- Discreet pinhole profile: Ø12mm / 5mm depth
- Face detection and 3D digital noise reduction
- True wide dynamic range (120dB) (4MPPH & 3.6)
- MicroSD slot up to 128GB & PoE power (2/4MPPH)



**Efficient Video Storage & Streaming**



**Discreet 5mm Camera Profile**



**Edge Recording via MicroSD**

Model		VSIP2MPPH	VSIP4MPPH	VSPINHOLE3.6	
Camera	Product Image				
	Image Sensor	1/2.8" 2.0 Megapixel Progressive Scan CMOS	1/2.7" 4.0 Megapixel Progressive Scan CMOS	1/4" 1.0 Megapixel Progressive Scan CMOS	
	Effective Pixels	1920 (H) x 1080 (V)	2688 (H) x 1520 (V)	1280 (H) x 720 (V)	
	RAM / ROM	256MB / 32MB	512MB / 32MB	-	
	Min Illumination	0.07 Lux at F2.4 (Colour) / 0.007 Lux at F2.4 (B&W)	0.02 Lux at F2.4 (Colour) / 0.04 Lux at F2.4 (B&W)	0.01 Lux at F1.2 (Colour) / 0.001 Lux at F1.2 (B&W)	
	S/N Ratio	> 50dB		> 56dB	
	Infrared System	N/A			
Lens	Lens / Iris	2.8mm F2.4 Fixed Lens		3.6mm F2.8 Fixed Lens	
	Field of View	Horizontal: 104°, Vertical: 57°	Horizontal: 83.4°, Vertical: 44.9°	77°	
	Focus	Fixed		Manual	
	DORI Distance	N/A	Detect: 61m / Observe: 24m / Recognise: 12m / ID: 6m	N/A	
Video	Resolution	1080p (1920 x 1080) to CIF (352 x 288)	4.0MP (2688 x 1520) to CIF (352 x 288)	720p (1280 x 720) to D1 (704 x 576)	
	Frame Rate	Main	1080p (1 ~ 25fps)	4.0MP (1 ~ 25fps)	720p (1 ~ 25fps)
		Sub	D1 (1 ~ 25fps)	D1 (1 ~ 25fps)	D1 (1 ~ 25fps)
		Third	1080p (1 ~ 25fps)	720p (1 ~ 25fps)	N/A
	Video Compression	H.265 / H.264		H.264 / MJPEG	
	Bit Rate	H.265: 14 ~ 5632Kbps / H.264: 24 ~ 9472Kbps	H.265: 14 ~ 9984Kbps / H.264: 24 ~ 10240Kbps	H.264: 7 ~ 12Mbps	
	Bit Rate Control	Constant bit rate (CBR) / Variable bit rate (VBR)			
	Day/Night	Auto (Electronic) / Colour / B&W			
	Lighting Compensation	BLC / HLC / Digital WDR	BLC / HLC / WDR (120dB)	BLC / HLC / WDR (120dB)	
	White Balance	Auto / Natural / Street Lamp / Outdoor / Manual		Auto / Manual	
	Gain Control	Auto / Manual			
Noise Reduction	3D DNR				
IVS	Intelligent Functions	Face Detection, Tripwire, Intrusion, Abandoned/Missing Object, Motion Detection (4 Zone), Region of Interest (4 Zone), Privacy Masking (4 Zone)		Face Detection, Privacy Masking (4 Zone)	
	Ethernet	RJ45 (10/100 Base-T)			
Network	Protocol	IPv4/IPv6; HTTP; HTTPS; SSL; TCP/IP; UDP; UPnP; ICMP; IGMP; SNMP; RTSP; RTP; SMTP; NTP; DHCP; DNS; PPPOE; DDNS; FTP; IP Filter; QoS; Bonjour			
	Streaming Method	Unicast / Multicast		-	
	Max. User Access	10 Users / 20 Users		32 Users	
Interface	Video Interface	N/A			
	Audio Interface	1 Input, 1 Output / Compression: G.711a, G.711mu, G.726, AAC		N/A	
	Alarm Interface	2 Inputs / 2 Output		N/A	
	RS232	1 Port		N/A	
	Edge Storage	MicroSD Card (up to 128GB) / NAS / Local PC		N/A	
	Interoperability	ONVIF / PSIA / CGI			
Environmental	Power Supply	12VDC / PoE (802.3af)		12VDC	
	Power Consumption	<6W		<2W	
	Operating Conditions	-30° ~ +60° C / Less than 95% RH		-30° ~ +60° C / Less than 95% RH	
	Ingress Protection	N/A		N/A	
	Vandal Resistance	N/A		N/A	
	Housing	Metal		Plastic / Metal	
	Pan/Tilt/Rotation	N/A		N/A	
	Dimensions	Camera: Ø26 x 47mm / Control Unit: 110 x 83 x 24mm / Cable: 8m		30 x 30 x 22mm	
	Net Weight	Camera: 0.13kg / Control Unit: 0.20kg	Camera: 0.21kg / Control Unit: 0.40kg	0.05kg	
Application	Diagrams				
	Ordering Information	VSIP2MPPH: 2.0MP Pinhole Camera + Control Unit	VSIP4MPPHC: 4.0MP Pinhole Camera VSIP4MPPHM: 4.0MP Main Box	VSPINHOLE3.6: 1.0MP Pinhole Camera	

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