



Discreet HD surveillance.

Pinhole Series: Small profile cameras available in 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 fixed lens with wide angle viewing
- 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 & 2S)
- MicroSD slot up to 128GB & PoE power (2/4MPPH)






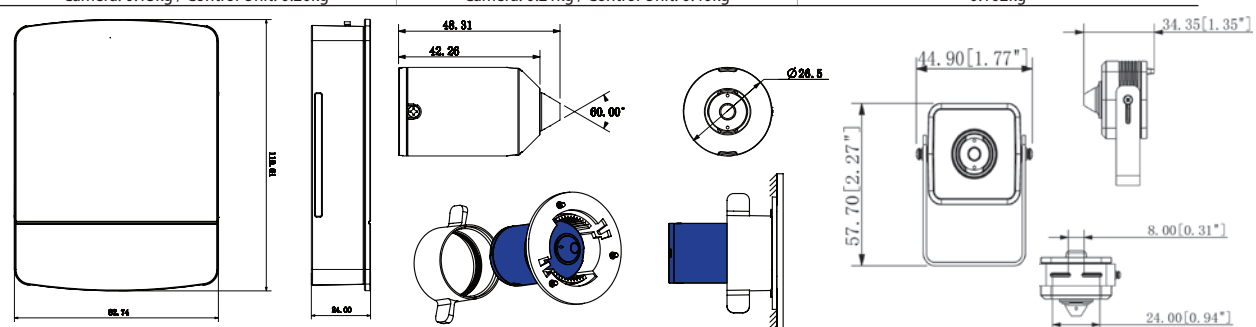
Double Full HD Resolution



Discreet 5mm Camera Profile



Edge Recording via MicroSD

Specifications		CAM429	VSIP4MPPH	CAM468	
Image	Product Image	 NO LONGER AVAILABLE			
	Ordering Information	CAM429: 2.0MP Pinhole Camera + Control Unit	LNZ362 4.0MP Pinhole Camera CAM449: 4.0MP Main Box	CAM468: 2.0MP Pinhole Camera	
Camera	Image Sensor	1/2.8" 2.0 Megapixel Progressive Scan CMOS	1/2.7" 4.0 Megapixel Progressive Scan CMOS	1/2.7" 2.0 Megapixel Progressive Scan CMOS	
	Effective Pixels	1920 (H) x 1080 (V)	2688 (H) x 1520 (V)	1920 (H) x 1080 (V)	
	RAM / ROM	256MB / 32MB	512MB / 32MB	256MB / 128MB	
	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)	Colour: F2.4 0.007lx (1/3s), 0.04lx (1/30s) B&W: F2.4 0.004lx (1/3s), 0.02lx (1/30s)	
	S/N Ratio	> 50dB		> 50dB	
Infrared System		N/A			
Lens	Lens / Iris	2.8mm F2.4 Fixed Lens			
	Field of View	Horizontal: 104°, Vertical: 57°	Horizontal: 83.4°, Vertical: 44.9°	Horizontal: 105°, Vertical: 60°	
	Focus	Fixed			
DORI Distance	N/A	Detect: 61m / Observe: 24m / Recognise: 12m / ID: 6m	Detect: 63m / Observe: 25m / Recognise: 13m / ID: 6m		
Video	Resolution	1080p (1920 x 1080) to CIF (352 x 288)	4.0MP (2688 x 1520) to CIF (352 x 288)	1080p (1920 x 1080) to CIF (352 x 288)	
	Frame Rate	Main	1080p (1 ~ 25fps)	4.0MP (1 ~ 25fps)	1080p (1 ~ 25fps)
		Sub	D1 (1 ~ 25fps)	D1 (1 ~ 25fps)	D1 (1 ~ 25fps)
		Third	1080p (1 ~ 25fps)	720p (1 ~ 25fps)	1080p (1 ~ 14fps)
	Video Compression	H.265 / H.264		H.265 / H.264 / H.264B / H.264H / MJPEG (sub stream)	
	Bit Rate	H.265: 14 ~ 5632Kbps / H.264: 24 ~ 9472Kbps	H.265: 14 ~ 9984Kbps / H.264: 24 ~ 10240Kbps	H.265: 12K~6400Kbps / H.264: 32K~8192Kbps	
	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			
Gain Control	Auto / Manual				
Noise Reduction	3D DNR				
Network	Intelligent Functions	Face Detection, Tripwire, Intrusion, Abandoned/Missing Object, Motion Detection (4 Zone), Region of Interest (4 Zone), Privacy Masking (4 Zone)			
	Ethernet	RJ45 (10/100 Base-T)			
	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				
Interface	Video Interface	N/A			
	Audio Interface	1 Input, 1 Output / Compression: G.711a, G.711mu, G.726, AAC		1 Input / 1 Output	
	Alarm Interface	2 Inputs / 2 Output		N/A	
	RS232	1 Port		N/A	
	Edge Storage	MicroSD Card (up to 128GB) / NAS / Local PC		NAS/ Local PC	
	Interoperability	ONVIF / PSIA / CGI		ONVIF Profile S / API	
	Power Supply	12VDC / PoE (802.3af)		12VDC	
Environmental	Power Consumption	<6W		<1.5W	
	Operating Conditions	-30° ~ +60° C / Less than 95% RH			
	Ingress Protection	N/A			
	Vandal Resistance	N/A			
	Housing	Metal			
	Pan/Tilt/Rotation	N/A			
	Dimensions	Camera: Ø26 x 47mm / Control Unit: 110 x 83 x 24mm / Cable: 8m		44.9 x 57.7 x 34.35mm	
Net Weight	Camera: 0.13kg / Control Unit: 0.20kg		Camera: 0.21kg / Control Unit: 0.40kg		
Application	Diagrams				
					

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