

# 12 MP 360-Degree Hemispheric Camera

- 1/1.7" 12 Megapixel Progressive Scan STARVIS™ CMOS
- H.265 & H.264 Triple-Stream Encoding
- Max 25FPS at 12MP (4000 x 3000)
- Multiple De-Wrap Mode
- Day/Night (ICR), 3DNR, AWB, AGC, BLC
- Maximum Length of IR LEDs: 10m
- Smart Detection
- Intelligent Function
- Micro SD Memory, IP67, IK10, PoE



## Popular Mounting Solutions



INSX100  
Mount Adapter



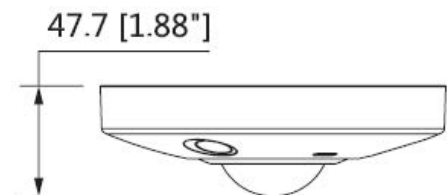
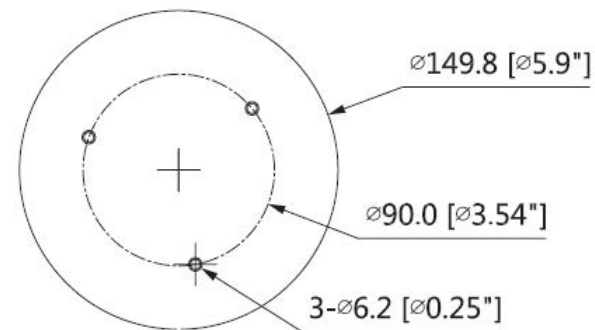
INSX302  
Wall Mount



INSX152  
Pole Mount

Wall mount	Pole mount
INSX302 + INSX100	INSX100 + INSX302 + INSX152
Ceiling mount	

## Dimensions (mm)



## Technical Specifications

Camera	
Image Sensor	1/1.7" 12 Megapixel progressive scan CMOS
Effective Pixels	4000 (H) x 3000 (V)
RAM/ROM	1024 MB / 128 MB
Scanning System	Progressive
Electronic Shutter Speed	Auto/Manual, 1/3~1/100000s
Minimum Illumination	0.001 Lux / F2.8 (Color, 1/3s, 30 IRE); 0.01 Lux / F2.8 (Color, 1/30s,30 IRE); 0 Lux / F2.8 (IR on)
S/N Ratio	More than 50dB
IR Distance	Distance up to 10m (33ft)
IR On/Off Control	Auto / Manual
IR LEDs	3
Camera Features	
Maximum length of IR LEDs	N/A
Day/Night	Auto (ICR) / Color / B/W
Backlight Compensation	BLC / HLC / DWDR
White Balance	Auto / Natural / Street Lamp / Outdoor / Manual
Gain Control	Auto / Manual
Noise Reduction	3D DNR
Privacy Masking	Off / On (4 Area, Rectangle)
Smart IR	Support
Defog	Support
Digital Zoom	16x
Lens	
Lens Type	Fixed
Mount Type	Board-in
Focal Length	1.98mm
Max. Aperture	F2.8
Angle of View	H: 180°, V:180°
Focus Control	Fixed
Video	
Compression	H.265 / H.264
Streaming Capability	3 Streams
Resolution	12MP (4000 × 3000) / 8MP (2880 × 2880) / 6MP (2880 × 2160) / 3MP (2048 × 1536) / 1.3MP (1280 × 960) / D1 (704 × 576 / 704 × 480) / CIF (352 × 288 / 352 × 240)

\* Design and specifications are subject to change without notice.

## Technical Specifications

Frame Rate	Main Stream: 12MP (1 ~ 25fps) / 8MP (1 ~ 25/30fps)
	Sub Stream: D1(1 ~ 25/30fps)
	Third Stream: 1.3MP (1 ~ 25/30fps)
Bit Rate Control	CBR / VBR
Bit Rate	H.265: 3 Kbps ~ 9984 Kbps / H.264: 8 Kbps ~ 16384 Kbps
<b>Audio</b>	
Compression	G.711a / G.711Mu / AAC / G.726
<b>Intelligent Function</b>	
IVS	Tripwire, Intrusion
Adv. Intelligent Function	Heat Map
<b>Interface</b>	
Video Interface	N/A
Audio Interface	1/1 channel In/Out
RS485	N/A
Alarm	2 channels In: 5mA 5VDC 2 channels Out: 1A 30VDC / 0.5A 50VAC
<b>Network</b>	
Ethernet	RJ-45 (100/1000 Base-T)
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
Interoperability	ONVIF, PSIA, CGI
Streaming Method	Unicast / Multicast
Max. User Access	10 Users / 20 Users
Edge Storage	NAS; Local PC for instant recording; Micro SD card 128GB
Web Viewer	IE, Chrome, Firefox, Safari
Smart Phone	iOS, Android
<b>General</b>	
Power Supply	DC12V, PoE (802.3af)(Class 0)
Power Consumption	Less than 12W
Working Environment	-30° C ~ +50° C / Less than 95% RH
Ingress Protection	IP67 & IK10
Dimensions	Φ149.8mm × 47.7mm (Φ5.9" × 1.88")
Weight	1.0kg (2.2lb)

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