



IndigoVision



# Minidome Cameras

High-end: performance, not price tag.

With BX HD, 4MP and 4K Minidome Cameras you get supreme connectivity and flexibility, combined with great video and audio. You also get maximum reliability, and the other significant benefits of IndigoVision's Distributed Network Architecture. BX HD, 4MP and 4K Minidome Cameras deliver a different dimension of safety when combined with IndigoVision's Control Center.

## Key Features

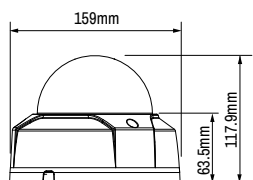
SENSOR	<b>HD</b>	<b>4MP</b>	<b>4K</b>	<b>Day/Night</b>	<b>WDR</b>
	<b>H.265</b>	<b>H.264</b>	<b>UP TO 30fps</b>	<b>G.711</b>	
COMPRESSION					
INTELLIGENCE	<b>Analytics</b>	<b>Motion Detection</b>			
OTHER	<b>DNA</b>	<b>PoE</b>	<b>PoE+</b>	<b>ONVIF</b>	<b>CyberVigilant®</b>
PHYSICAL	<b>Outdoor</b>	<b>IR</b>	<b>IK10</b>	<b>Low Temp</b>	

## Product Codes

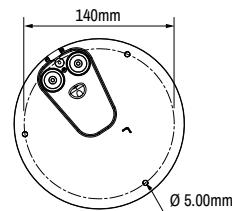
BX420 Minidome Cameras	Product Code
Vandal Resistant HD Minidome Camera	610440
Environmental Vandal Resistant HD Minidome Camera	610460
Vandal Resistant 4MP Minidome Camera	611440
Environmental Vandal Resistant 4MP Minidome Camera	611460
Environmental Vandal Resistant 4K Minidome Camera	614460

\* Firmware update on 4K model available from end of Q3 2019.

# Dimensions



View on Side Face



Mounting Hole Pattern

# Specification

Camera Features	HD	4MP	4K
Sensor	1/3" Progressive CMOS		1/1.7" Progressive CMOS
Active Pixels (HxV)	HD (1920x1080)	4MP (2560x1440)	12MP (4000 x 3000)
Minimum Sensitivity	Day: 0.01 Lux (colour). Night: 0.001 Lux (mono). 30 IRE, F1.4, 1/30s shutter	Day: 0.01 Lux (colour). Night: 0.001 Lux (mono). 30 IRE, F1.4, 1/15s shutter	Day: 0.05 Lux (colour). Night: 0.005 Lux (mono). 30 IRE, F1.4, 1/15s shutter
Dynamic Range	WDR > 120dB		WDR > 100dB
Gain Control	Auto/Manual		
Back Light Compensation	On/Off		
White Balance Mode	Auto/Manual		
Day/Night	True Day/Night with Mechanical IR Cut Filter		
IR Illuminator	Built-in IR Illuminator 850nm wavelength, effective distance >50m		
Video Resolution	4000x3000 pixels (12MP)**; 4096x2160 pixels (8MP)**; 3840x2160 pixels (8MP)**; 3072x2048 pixels (6MP)**; 2560x1440 pixels (4MP)*; 2304x1296 pixels (3MP)*; 1920x1080 pixels (HD); 1280x960 pixels (1.3MP); 1280x720 pixels (720p); 704x576 pixels (D1); 704x480 pixels (D1) 352x288 pixels (SIF); 352x240 pixels (SIF)		
Signal/Noise Level	> 50db		
Lens Options	2.7mm - 12mm, Horizontal view angle 100° (W) 33° (T), F1.4, Vari-focal, M14 mount with Remote Zoom/ Focus		4.1mm - 16.4mm, Horizontal view angle 105 (W) 35° (T), F1.4, Vari-focal, M14 mount with Remote Zoom/Focus
Iris Control	Auto Iris		
Shutter	Rolling; Auto from 1/3 - 1/10,000 sec		
Exposure Control	Auto/Low Noise/Low Motion Blur/Manual		
Video Compression	Full frame rate, full colour: H.264/MJPEG ; up to 30fps (ISO 14496-10)		Full frame rate, full colour: H.265/H.264/MJPEG ; up to 30fps (ISO 14496-10)
Video Bit Rate	User-configurable bit rates from 64Kbps up to 10Mbps		
Privacy Zones	4 User Defined		
Video Multi-Streaming	Up to 32Mbps total video output; Unlimited multicast connections. Up to four 8Mbps unicast connections; Up to sixteen 1Mbps unicast connections		
Video Multi-Encoder	Up to two simultaneous resolutions including: 12MP (20fps)**, 4K(30fps)**, 5MP(30fps)**, 4MP (20fps)*, 3MP (30fps)*, 1080p (30fps), 720p (30fps), D1 (30fps), SIF (30fps)		
Video Analytics	Motion Detection, Tripwire, Intrusion, Abandoned Object, Missing Object, Scene Change, Video Tamper, Defocus Detect, Face Detection		Motion Detection, Tripwire <sup>^</sup> , Intrusion <sup>^</sup> , Abandoned Object <sup>^</sup> , Missing Object <sup>^</sup> , Scene Change <sup>^</sup> , Video Tamper <sup>^</sup> , Defocus Detect <sup>^</sup> , Face Detection <sup>^</sup>
Audio Compression	G.711		
Audio Bit Rate	32Kbps per channel		
Audio Resolution	Full Duplex, 8kHz or 16kHz sample rate. Mono Input, Mono Output		
Audio Analytics	Audio Intensity High, Audio Input Abnormal		Audio Intensity High <sup>^</sup> , Audio Input Abnormal <sup>^</sup>
Audio Input	Line in, terminal block connector		
Audio Output	Line out, terminal block connector		
Binary Input/Output	1 Pull up input for non powered contacts; 1 Solid state open collector output, Max 5.0V, 30mA		
Network Interface	IEEE802.3 and IETF standards: 10/100 Base-T Ethernet, IPv4/IPv6, TCP, UDP, RTP, RTSP, ICMP, IGMP, SNMP, HTTP, HTTPS, SSH, PPPoE, uPnP, QoS, DHCP		IEEE802.3 and IETF standards: 100/1000 Base-T Ethernet, IPv4/IPv6, TCP, UDP, RTP, RTSP, ICMP, IGMP, SNMP, HTTP, HTTPS, SSH, PPPoE, uPnP, QoS, DHCP
Network Security	HTTPS, IP Filter, IEEE 802.1x		
CyberVigilant® Technology	Yes		Yes <sup>^</sup>
Time	Embedded real-time clock, NTP client		
SD Storage	microSDHC 128GB support (card not included)***		
Dimensions/Weight	159mm (dia) x 117.9mm (h) and 0.8Kg		
Regulatory	EN 55022 Class A, EN 61000-3-2, EN 61000-3-3, FCC Part 15 Subpart B Class A, EN 50130-4, EN61000-4-2, EN61000-4-3, EN61000-4-4, EN61000-4-5, EN61000-4-6, EN61000-4-11, IEC60068-2-27 (Shock), IEC60068-2-6 (Sine Vibration), UL60950		
Housing	White vandal resistant aluminium alloy with clear polycarbonate dome		
Protection Rating	IP67, IK10 (IEC 62262)		
Electrical	PoE (802.3af Class 0) or 12V DC @ 0.33A; 4W. Power supply ordered separately (Product code: 110064; 130176)	Camera only: PoE (802.3af Class 0) or 12V DC @ 0.33A; 4W. Camera including heater: PoE (802.3af Class 0) or 12V DC @ 1.0A; 12W. Power supply ordered separately (Product code: 110064; 130176)	Camera only PoE+ (802.3at Class 4) or 12V DC/24V AC, 9W Camera including heater: PoE+ (802.3at Class 4) or 12V DC/24V AC, 19W. Power supply ordered separately (Product code: 110064; 130176)
Operating Temperature	-20°C to 60°C	-40°C to 60°C	-40°C to 60°C
Cold Start	-20°C	-30°C	-30°C
IndigoVision Software Requirements	Control Center v14.1 or later (4K); Control Center v13.2 or later (HD & 4MP)		
Supported Internet Browsers	Internet Explorer v11.0 or later		
ONVIF	Profile S		

\* 4MP and 3MP resolution only available on 4MP variant. \*\* 12MP, 4K and 5MP (30fps) resolution only available on 4K variant. \*\*\* SDCard Storage independent of IndigoVision's NVRs. ^ Firmware update on 4K model available from end of Q3 2019.