



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

**HD**

**4MP**

**4K**

  
**Day/Night**


  
**WDR**

COMPRESSION


**H.265**


**H.264**

**UP TO 30fps**

  
**G.711**

INTELLIGENCE

  
**Analytics**

  
**Motion Detection**

OTHER

  
**DNA**

  
**PoE**

  
**PoE+**

  
**ONVIF**

  
**CyberVigilant®**

PHYSICAL

  
**Outdoor**

  
**IR**

  
**IK10**

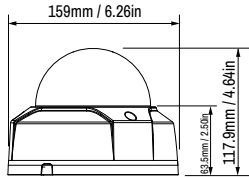
  
**Low Temp**

## Product Codes

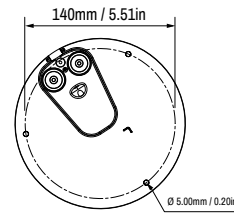
BX420 Minidome Cameras	Product Code
Vandal Resistant HD Minidome Camera	610440
Environmental Vandal Resistant HD Minidome Camera	610460
Vandal Resistant 4MP Minidome Camera	611440
Environmental Vandal Resistant 4MP Minidome Camera	611460
Environmental Vandal Resistant 4K Minidome Camera	614460

\* 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
<b>Sensor</b>	1/3" Progressive CMOS		1/1.7" Progressive CMOS
<b>Active Pixels (HxV)</b>	HD (1920x1080)	4MP (2560x1440)	12MP (4000 x 3000)
<b>Minimum Sensitivity</b>	Day: 0.01 Lux (color). Night: 0.001 Lux (mono). 30 IRE, F1.4, 1/30s shutter	Day: 0.01 Lux (color). Night: 0.001 Lux (mono). 30 IRE, F1.4, 1/15s shutter	Day: 0.05 Lux (color). Night: 0.005 Lux (mono). 30 IRE, F1.4, 1/15s shutter
<b>Dynamic Range</b>	WDR > 120dB		WDR > 100dB
<b>Gain Control</b>	Auto/Manual		
<b>Back Light Compensation</b>	On/Off		
<b>White Balance Mode</b>	Auto/Manual		
<b>Day/Night</b>	True Day/Night with Mechanical IR Cut Filter		
<b>IR Illuminator</b>	Built-in IR Illuminator 850nm wavelength, effective distance >50m		
<b>Video Resolution</b>	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)		
<b>Signal/Noise Level</b>	> 50db		
<b>Lens Options</b>	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
<b>Iris Control</b>	Auto Iris		
<b>Shutter</b>	Rolling; Auto from 1/3 - 1/10,000 sec		
<b>Exposure Control</b>	Auto/Low Noise/Low Motion Blur/Manual		
<b>Video Compression</b>	Full frame rate, full color: H.264/MJPEG ; up to 30fps (ISO 14496-10)		Full frame rate, full color: H.265*/H.264/MJPEG ; up to 30fps (ISO 14496-10)
<b>Video Bit Rate</b>	User-configurable bit rates from 64Kbps up to 10Mbps		
<b>Privacy Zones</b>	4 User Defined		
<b>Video Multi-Streaming</b>	Up to 32Mbps total video output; Unlimited multicast connections. Up to four 8Mbps unicast connections; Up to sixteen 1Mbps unicast connections		
<b>Video Multi-Encoder</b>	Up to two simultaneous resolutions including: 12MP (20fps)**, 4K(30fps)**, 5MP(30fps)**, 4MP (20fps)*, 3MP (30fps)*, 1080p (30fps), 720p (30fps), D1 (30fps), SIF (30fps)		
<b>Video Analytics</b>	Motion Detection, Tripwire, Intrusion, Abandoned Object, Missing Object, Scene Change, Video Tamper, Defocus Detect, Face Detection		Motion Detection, Tripwire*, Intrusion*, Abandoned Object*, Missing Object*, Scene Change*, Video Tamper*, Defocus Detect*, Face Detection*
<b>Audio Compression</b>	G.711		
<b>Audio Bit Rate</b>	32Kbps per channel		
<b>Audio Resolution</b>	Full Duplex, 8kHz or 16kHz sample rate. Mono Input, Mono Output		
<b>Audio Analytics</b>	Audio Intensity High, Audio Input Abnormal		Audio Intensity High*, Audio Input Abnormal*
<b>Audio Input</b>	Line in, terminal block connector		
<b>Audio Output</b>	Line out, terminal block connector		
<b>Binary Input/Output</b>	1 Pull up input for non powered contacts; 1 Solid state open collector output, Max 5.0V, 30mA		
<b>Network Interface</b>	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
<b>Network Security</b>	HTTPS, IP Filter, IEEE 802.1x		
<b>CyberVigilant® Technology</b>	Yes		Yes*
<b>Time</b>	Embedded real-time clock, NTP client		
<b>SD Storage</b>	microSDHC 128GB support (card not included)***		
<b>Dimensions/Weight</b>	159mm (dia) x 117.9mm (h) and 0.8Kg / 6.26in (dia) x 4.64in (h) and 1.764lb		
<b>Regulatory</b>	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		
<b>Housing</b>	White vandal resistant aluminium alloy with clear polycarbonate dome		
<b>Protection Rating</b>	IP67, IK10 (IEC 62262)		
<b>Electrical</b>	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)
<b>Operating Temperature</b>	-20°C to 60°C (-4°F to 140°F)	-40°C to 60°C (-40°F to 140°F)	-40°C to 60°C (-40°F to 140°F)
<b>Cold Start</b>	-20°C (-4°F)	-30°C (-22°F)	-30°C (-22°F)
<b>IndigoVision Software Requirements</b>	Control Center v14.1 or later (4K); Control Center v13.2 or later (HD & 4MP)		
<b>Supported Internet Browsers</b>	Internet Explorer v11.0 or later		
<b>ONVIF</b>	Profile S		

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