



IndigoVision

BX RANGE

20x  
Optical



# HD PTZ Dome Camera

Seamless open standard High Definition video

Part of IndigoVision's professional BX Range, the High Definition (HD) PTZ Dome Camera (BX500) delivers pin sharp detail at 2MP resolution that is fully ONVIF conformant. Any single point of failure in the system is removed through IndigoVision's Distributed Network Architecture (DNA).

## Key Features

SENSOR



COMPRESSION



INTELLIGENCE



OTHER



PHYSICAL

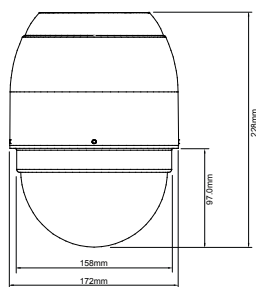


## Product Codes

HD PTZ Dome Camera (PAL)	Camera
Internal HD PTZ Dome	511787
External HD PTZ Dome	511797

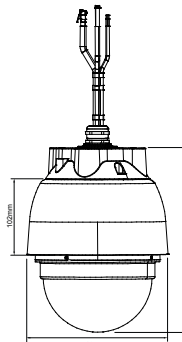
For In-Ceiling variant see PTZ Dome Camera Mount Matrix. Product Code 56xxxx also available to order consisting of 51xxxx Product Code plus Enhanced Management Software License.

## Dimensions - Internal PTZ Dome



View on Side Face

## Dimensions - External PTZ Dome



View on Side Face

## Specification

Camera Features	
Sensor	1/2.8" Progressive CMOS
Active Pixels	2MP (1920 x 1080)
Horizontal Resolution	> 800 TVL
Minimum Sensitivity	Day: 0.3 Lux (colour). Night: 0.04 Lux (mono). 30 IRE, F1.6, 1/30s shutter
Dynamic Range	WDR On/Off
Gain Control	Auto/Manual setting
Back Light Compensation	On/Off
White Balance Mode	Auto/Manual
Day/Night	True Day/Night with mechanical IR Cut filter
Video Resolution	1920x1080 pixels (1080p); 1280x720 pixels (720p); 720x576 pixels (D1); 352x288 pixels (SIF)
Signal/Noise Level	> 50dB
Lens Options	4.7mm - 94mm Horizontal view angle 55.2°(W) 2.93° (T)
Zoom	20x optical + 10x digital
Shutter	Rolling; Auto from 1 - 1/10000 sec
Exposure Control	Auto/Manual/Slow AE/Shutter-priority/Iris-priority
Video Compression	Full frame rate, full colour: H.264/MJPEG ; up to 25fps (ISO 14496-10)
Video Bit Rate	User-configurable bit rates from 64Kbps up to 8Mbps
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 three simultaneous resolutions including: 1080p (25fps), 720p (25fps), D1 (25fps), SIF (25fps)
Video Analytics	Motion Detection, Hooded
Audio Compression	G.711
Audio Bit Rate	User-configurable bit rates from 64Kbps to 80Kbps per channel
Audio Resolution	Full Duplex 8kHz sample rate. Mono Input, Mono Output
Audio Input	Line in
Audio Output	Line out
Binary Input/Output	4 inputs; 2 outputs
Network Interface	IEEE802.3 and IETF standards: 10/100 Base-T Ethernet, TCP, UDP, RTP, RTSP, ICMP, IGMP, SNMP, HTTP, HTTPS, PPPoE, uPnP, QoS, DHCP
Network Security	HTTPS / IP Filter / IEEE 802.1x
Time	Embedded real-time clock, NTP client
SD Storage	microSDHC 32GB support (card not included)
Regulatory	EN 55022 Class A, EN 61000-3-2, EN 61000-3-3, AS/NZS CISPR 22, FCC Part 15 Subpart B Class A, EN 50130-4, AS/NZS CISPR 24, IEC 61000-4-2, IEC 61000-4-3, IEC 61000-4-4, IEC 61000-4-5, IEC 61000-4-6, IEC 61000-4-8, IEC 61000-4-11
IndigoVision Software Requirements	SMS4™ r5/Control Center v11.0 or later
ONVIF	Profile S

PTZ Control			
Preset	256	Pan Range	360° Continuous Rotation
Preset Accuracy	0.225°	Tilt Range	200° (-10° above horizon)
Preset Tours	8	Pan/Tilt Speed	Pan Speed - 0.5-120°/s. Tilt Speed - 0.5-90°/s
Pattern Mimic Tours	8	Preset Move Speed	5-400°/s
Privacy Zones	16 User Defined		

Camera Features	Internal	External
Dimension/Weight	172mm (dia) x 228mm (h) and 1.62Kg	194mm (dia) x 253mm (h) and 2.32Kg
Housing	Aluminium alloy and polycarbonate/ABS with polycarbonate dome	Vandal resistant aluminium alloy with polycarbonate dome
Protection Rating	N/A	IP66, IK10 (IEC 62262)
Electrical	20W. PoE + (802.3at Class 4) or 24V AC/DC. Power supply ordered separately (Product code: 110061)	Camera only: PoE + (802.3at Class 4) or 24V AC; 20W. Camera including heater: 24V AC; 65W. Power supply included.
Operating Temperature	-10°C to 40°C	PoE powered: -10°C to 50°C. External PSU: -30°C to 50°C
Cold Start	0°C	-30°C