

ULTRA RANGE

30x  
Optical



IndigoVision



# Ultra 2K PTZ Dome Camera

Capture every detail with ultra-high resolution

With best in class performance, the IndigoVision Ultra 2K PTZ Dome Camera delivers rich, Full HD video and image clarity, in all lighting conditions. Image stabilisation and ultra-low PTZ latency gives smoother operator viewing and control. IndigoVision's SMART.core technology gives highly optimised H.264 compression and ACF+, reducing storage costs by up to 95%.

## Key Features

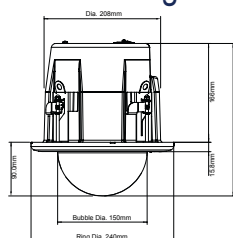
PHYSICAL	OTHER	INTELLIGENCE	COMPRESSION	SENSOR					

## Product Codes

Ultra 2K PTZ Dome Camera (PAL)	Camera
Ultra 2K In-Ceiling PTZ, 30x Lens	512143
Ultra 2K Pendant PTZ, 30x Lens	512148
Ultra 2K Environmental Pendant PTZ, 30x Lens	512149

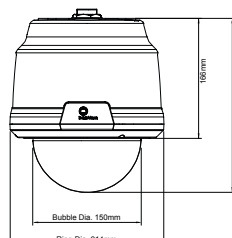
Product Code 56xxxx also available to order consisting of 51xxxx Product Code plus Enhanced Management Software License.

## Dimensions - In-Ceiling



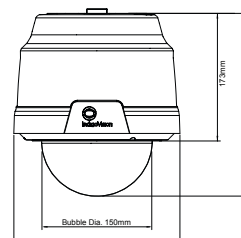
View on Side Face

## Dimensions - Standard



View on Side Face

## Dimensions - Environmental



View on Side Face

## Specification

Camera Features			
Sensor	1/2.8" Progressive CMOS		
Active Pixels (HxV)	2MP (1920 x 1080)		
Horizontal Resolution	> 800 TVL		
Minimum Sensitivity	Day: 0.35 Lux (colour). Night: 0.013 Lux (mono). 50 IRE, F1.6, 1/30s shutter		
Dynamic Range	WDR 120dB Max		
Gain Control	Auto setting across a 28dB range		
Back Light Compensation	On/Off		
White Balance Mode	Auto/Advanced Auto/Auto Outdoor/Auto Sodium/Fixed Indoor/Fixed Outdoor/Fixed Sodium/Manual/Auto One Push		
Day/Night	True Day/Night with Mechanical IR Cut Filter		
Video Resolution	HD 1080p: 1920 x 1080 pixels, 720p: 1280 x 720 pixels; SD: 960 x 540 pixels, 640 x 360 pixels; 16:9 ratio		
Signal/Noise Level	> 50dB		
Lens Options	4.3mm - 129mm, Horizontal view angle 63.7° (W) 2.3° (T), F1.6 to F4.7, Autofocus with manual override		
Zoom	30x optical + 12x digital		
Iris Control	Automatic with Manual override		
Shutter	Rolling; Auto from 1/1 to 1/10,000 sec		
Exposure Control	Auto/Manual/Slow AE		
Image Stabiliser	Yes (StableZoom™)		
Video Compression	Full frame rate, full colour: H.264 (ISO 14496-10); 25fps guaranteed		
Video Bit Rate	User-configurable from 32Kbps 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 two simultaneous resolutions with guaranteed frame rate including: 1080p (25fps), SD (25fps)		
Video Analytics	Standard: ACF, ACF+, Motion Detection, Hooded. Advanced: Dual Tripwire, Congestion, Counterflow, Museum <sup>A</sup>		
Audio Compression	AAC-LC (ISO 14496-3)		
Audio Bit Rate	User-configurable bit rates from 32Kbps to 160Kbps per channel		
Audio Protocol	RTP (RFC 3640)		
Audio Dual Encoder	Encoder A: 1 Stream Configuration plus Encoder B: 1 Stream Configuration		
Audio Resolution	Full Duplex 16kHz, 16 Bit Mono/Stereo Input, Mono Output		
Audio Input	Stereo / Mono line in terminal block connector. Nominal voltage: 1V p-p, Mic 30mV p-p. Mic type: dynamic or electret		
Audio Output	Mono line out terminal block connector. 1V p-p, Minimum load impedance: 16 Ohms		
Binary Input/Output	2 Pull up inputs for non powered contacts; 1 solid state opto-isolated relay output @500mA, LED output @20mA		
Data Input/Output	1 Console port: RS232 up to 115.2 Kbps*		
Network Interface	IEEE802.3 and IETF standards: 10/100 Base-T Ethernet, TCP, UDP, RTP, ICMP, IGMP, SNMP, DHCP, NTP, DNS, HTTP, HTTPS, SSH		
Network Security	HTTPS / Embedded Linux Firewall. Salted passwords, with MD5 encryption / IEEE 802.1x		
Time	Embedded real-time clock, NTP client with battery backup		
Regulatory	EN 55022 - Class A, EN 55024, EN 60068-2-29, EN 60068-2-1 & 2, EN 60068-2-30, EN 60068-2-6 & 64, CFR47 Part 15 subpart B -Class A, UL60950-1*, UL2043**, UL60950-22***		
IndigoVision Software Requirements	Control Center v11.0 or later		
ONVIF	Profile S <sup>A</sup>		
PTZ Control			
Preset	250	Privacy Zones	24 User Defined
Preset Accuracy	0.05°	Pan Range	360° Continuous Rotation
Preset Tours	20 each with 20 presets	Tilt Range	100° (-10° above horizon to 90° vertically down)
Pattern/Mimic Tours	4 each with up to 4 minutes	Pan/Tilt Speed	0.001°/s to 360°/s
Picture Freeze Option	Yes	Preset Move Speed	200°/s
Camera Features	In-Ceiling	Standard	Environmental
Dimensions/Weight	240mm (ring dia) x 256mm (h) (90mm below ceiling) and 2.6Kg	214mm (dia) x 241mm (h) and 3.7Kg	225mm (dia) x 248mm (h) and 4.6Kg (with sun shield)
Housing	Aluminium with acrylic dome	Vandal resistant diecast aluminium with polycarbonate dome	Vandal resistant diecast aluminium, polycarbonate dome with aluminium sun shroud
Protection Rating	N/A	IP66, IK10 (IEC 62262), NEMA 250 4X	IP66, IK10 (IEC 62262), NEMA 250 4X
Electrical	PoE+ (802.3at Class 4) or 24V AC/DC @ 1A; 25W. 24V DC. Power supply ordered separately (Product code: 110060; 110061)	PoE+ (802.3at Class 4) or 24V AC/DC @ 1A; 25W. 24V DC. Power supply ordered separately (Product code: 110060; 110061)	Camera only: PoE+ (802.3at Class 4) or 24V AC/DC @ 1A; 25W. Camera including heater: 24V AC/DC @ 2.8 A; 65W. Power supply ordered separately (Product code: 110060; 110061)
Operating Temperature	-10°C to 50°C	-10°C to 50°C	PoE+ powered: -10°C to 50°C External PSU: -50°C to 50°C
Cold Start	0°C	0°C	-40°C

\* In-Ceiling PTZ Dome only. \*\* Advanced Video Analytics require a licence. \*\*\* Standard and Environmental PTZ Domes only. <sup>A</sup>Firmware upgrade is required for ONVIF Conformance.