Fixed IP Dome Cameras

High-end professional fixed IP Dome cameras with image quality that is as good as or better than analog fixed domes

IndigoVision's range of fixed IP dome cameras are designed to be used with the company's complete end-to-end IP Video solution and have class-leading MPEG-4 or H.264 compression technology built-in. Analog to digital conversion is completely eliminated with a direct digital interface from the camera sensor to the compression chip. This gives an image quality that is as good as or better than analog fixed domes. The cameras can be ceiling or wall mounted and use a Sony EXview HAD CCD Sensor, guaranteeing excellent performance. The range consists of standard internal, vandal resistant internal and vandal resistant external cameras.

IndigoVision's fixed dome cameras enable simple and easy deployment of IP based video systems as they only require a single CAT 5 cable for connection to the network. The built-in Power-over-Ethernet support allows the camera to be powered directly from the network, reducing installation costs.

IndigoVision's IP Video solution allows advanced features such as Activity Controlled Framerate (ACF) and camera-based real-time analytics to be deployed in the dome itself. These features reduce the bandwidth and NVR storage requirements during periods of scene inactivity and allow the user to deploy advanced analytics to identify events as they occur in real-time.

☐ Internal Standard, Internal Vandal Resistant and External Vandal Resistant versions

☐ Class-leading MPEG-4 or H.264 compression

☐ Excellent image quality from Sony EXview HAD CCD Sensor

☐ Up to 25/30fps guaranteed

☐ Power-over-Ethernet for lower installation costs

Internal and External Vandal-Resistant Fixed Dome

Internal Fixed Dome

IndigoVision

Datasheet

Specification

Camera Features	NTSC	PAL
CCD Sensor	Sony Ex View 1/4" interlaced Color or Color/Mono, 490 TVL Color, 540 TVL Mono	
Active Pixels (HxV)	768x494	752x582
Lens Options	(a) 3.8mm - 9.5mm, Horizontal view angle 53.9°(W) 22.3°(T) , F1.2, Auto-iris, Vari-focal, M14 mount (b) 9.0mm - 22mm, Horizontal view angle 22.8°(W) 9.6° (T) , F1.2, Auto-iris, Vari-focal, M14 mount	
Gamma	0.45	
Gain Control	Automatic or fixed manual setting across a 32dB range	
Scan Mode	4SIF Interlaced; 2SIF/SIF Non-interlaced	
Mirror Mode	On or Off	
Synchronization	Internal	
Back Light Compensation	On* or Off	
White Balance Mode	Auto; Fluorescent; Indoor; Outdoor	
Back Light Compensation	Auto-iris DC drive lens as standard	
Shutter Speeds	1/60 to 1/100,000 or Auto*	1/50 to 1/100,000 or Auto*
Electrical	Operating voltage: Power over Ethernet (802.3AF) or 24V AC/DC (DC Power Supply separately orderable) Power consumption **8000**: 24V @ 0.29A / 7W max; **9000**: 24V @ 0.33A / 8W max Heater/Fan Power consumption (External variant only): 36W; 12V DC Power Supply included.	
Video Compression	**8000**: Full frame rate, full color: MPEG-4 (ISO 14496-2); **9000**: Full frame rate, full color: H.264 (ISO 14496-10); 25/30fps **guaranteed**	
Video Bit Rate	User-configurable bit rates from 32Kbps up to 4Mbps	
9000 Multi-streaming	**A** **B** You can combine one selection from column A **4SIF** 1 stream 1 stream plus one selection from column B: **2SIF** 2 streams 2 streams e.g. 2x2SIF streams plus 3xSIF streams **SIF** 3 streams 3 streams e.g. 1x4SIF stream plus 1x4SIF stream	
Resolution	9000: D1 resolution SIF: 352 x 288 pixels (PAL); 352 x 240 pixels (NTSC) 2SIF: 704 x 288 pixels (PAL); 704 x 240 pixels (NTSC) 4SIF: 704 x 576 pixels (PAL); 704 x 480 pixels (NTSC)	
8000 Multi-streaming	SIF: 3 streams; 2SIF: 2 streams; 4SIF: 1 stream	
Video Output	NTSC/PAL composite video, 75 Ohms 1V p-p, standard BNC connector	
Binary Input/Output	2 opto-isolated inputs ; 1 solid state opto-isolated relay output	
Network interface	IEEE802.3 and IETF standards: 10/100 Base-T Ethernet, TCP, UDP, ICMP, IGMP, SNMP, HTTP ; Embedded Linux firewall; Up to 16 simultaneous unicast video users plus unlimited multicast users	
Time	Embedded real-time clock, NTP client	
Regulatory	EN 55022(1994) ITE - Class A; EN 55024(1998) ITE immunity standard; CFR47(1995) Part 15 subpart B -Class A	
Onboard Diagnostics	Network, video	*These options are only applicable for Fixed Iris lenses

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Camera Features	Internal	Internal Vandal Resistant	External Vandal Resistant
Housing	Injection Moulded Polycarbonate/ABS Alloy with Polycarbonate dome	Diecast Aluminium Alloy with Polycarbonate dome	Diecast Aluminium Alloy with Polycarbonate dome
Dimensions/Weight	155mm (dia.) x 103mm (h)/0.5Kg	159mm (dia.) x 125mm (h)/0.86Kg	159mm (dia.) x 125mm (h)/0.94Kg
Ingress Protection	N/A	IP66	IP66
Operating Temperature	0 to 45°C/+32 to +113°F	0 to 40°C/+32 to +104°F	-30 to 50°C/-22 to 122°F
Sensitivity	0.5 Lux	0.5 Lux	0.5 lux color / 0.05 lux mono with IR illumination at 850nm

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www.indigovision.com