



IndigoVision



Dual Channel Encoder

A family of Video Encoders and Decoders incorporating IndigoVision's class-leading compression technology

Part of IndigoVision's 9000 range, the Dual Channel Encoder delivers powerful and cost-effective migration from analogue to IndigoVision's renowned world class IP solution. With highly optimised H.264 compression and ACF+ technology, storage costs are reduced by up to 95% and video quality is greatly improved.

Completely integrated with IndigoVision's Control Center software and Network Video Recorders (NVRs), HD and Megapixel cameras can be added easily, giving the same world class IP video solution that's trusted by some of the most demanding security installations in the world.

Key Features

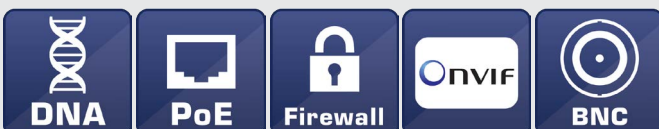
COMPRESSION



INTELLIGENCE



OTHER



PHYSICAL

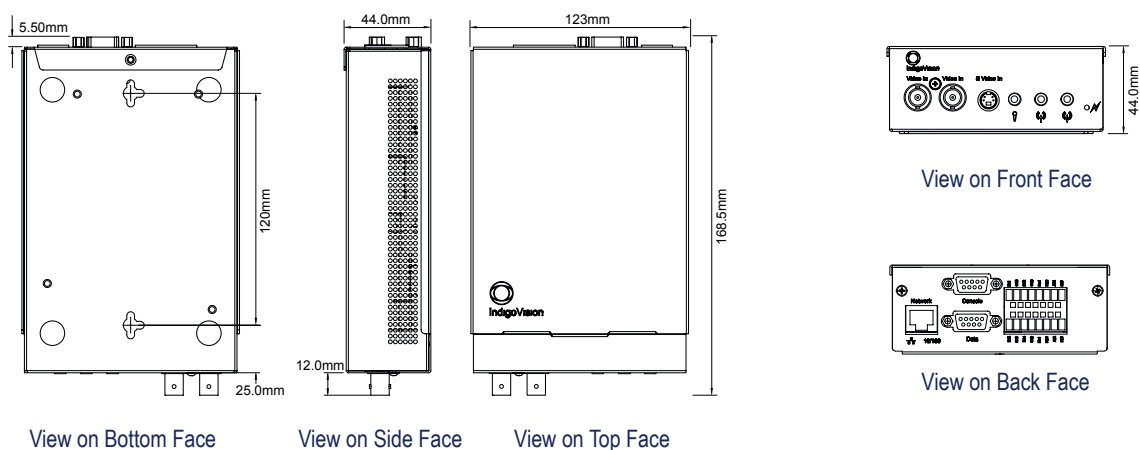


Product Codes

Dual Channel Encoder	9000E
Standard with Audio	769120
Extended Temperature with Audio (-30°C to 65°C)	769122

The 9000E product allows full frame rate video, at full 4SIF resolution.

Dimensions



Specification

General Specification		
Video Resolution	4SIF: 704 x 576 pixels 2SIF: 704 x 288 pixels SIF: 352 x 288 pixels	
Video Compression	Full frame rate, full colour: H.264 (ISO 14496-10); 25fps guaranteed	
Video Bit Rate	User-configurable bit rates from 32Kbps up to 6Mbps per video channel	
Video Multi-Streaming	Up to 16Mbps total video output per channel; Up to two 6Mbps multicast video output per channel; Up to sixteen 1Mbps unicast connections per channel	
Video Multi-Encoder	Up to two simultaneous resolutions with guaranteed 25fps frame rate including: 4SIF, 2SIF, SIF	
Video Analytics	Standard: ACF, ACF+, Motion Detection, Hooded (configurable per channel). Advanced: Dual Tripwire, Counterflow, Congestion, Museum (configurable per channel)*	
Video Input	2 PAL composite video; 75 Ohms 1V p-p, standard BNC connectors; 1 S-Video connector	
Audio Compression	AAC-LC (ISO 144496-3)	
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 16 Bit, 16kHz sample rate Mono Input, Mono Output	
Audio Input	2 Line in / Mic in with terminal block connector. Nominal voltage: 1V p-p, Mic 30mV p-p. Mic type: dynamic or electret	
Audio Output	2 Line out with terminal block connector. 1V p-p, Minimum load impedance: 32 Ohms	
Binary Input/Output	4 Pull up inputs for non powered contacts; 2 solid state relay outputs	
Data Input/Output	1 Data port: RS422/RS485 up to 115.2 Kbps; 1 Data/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, HTTP, HTTPS, SSH, TELNET	
Network Security	Embedded Linux firewall. Salted passwords, with MD5 encryption	
Time	Embedded real-time clock, NTP client with battery backup	
Dimensions/Weight	168.5mm (d) x 123mm (w) x 44.0mm (h) and 0.6Kg (excluding power supply)	
Regulatory	EN 55022 (2010) ITE emission standard – Class A, EN 55024 (1998) +A1:2000 +A2:2003, ITE immunity standard, CFR47(2008) Part 15 subpart B - Class A (US federal code of regulations), EN 60068-2-1 & 2 Low & High temp, EN 60068-2-6 & 64 Sinusoid & Random vibration, EN 60068-2-29 Bump, EN 60068-2-30 Humidity up to 95%, Non Condensing	
Power Supplies	Power supplies are separately orderable (Product code: 110004). Extended Temp. Option B comes with an internal heater and 24V AC/DC heater power supply included	
ONVIF	Profile S*	
	Standard	Extended Temperature B
Electrical	PoE (802.3af Class 0) or 24V AC/DC; 7W max	PoE (802.3af Class 0) Encoder. 24V AC/DC Encoder and Heater. 8W max (Encoder); 30W max (Heater)
Operating Temperature	0°C to 45°C	Single Channel Mode: -30°C to 65°C. Dual Channel Mode: -30°C to 55°C

* Firmware upgrade is required for ONVIF Conformance.