



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

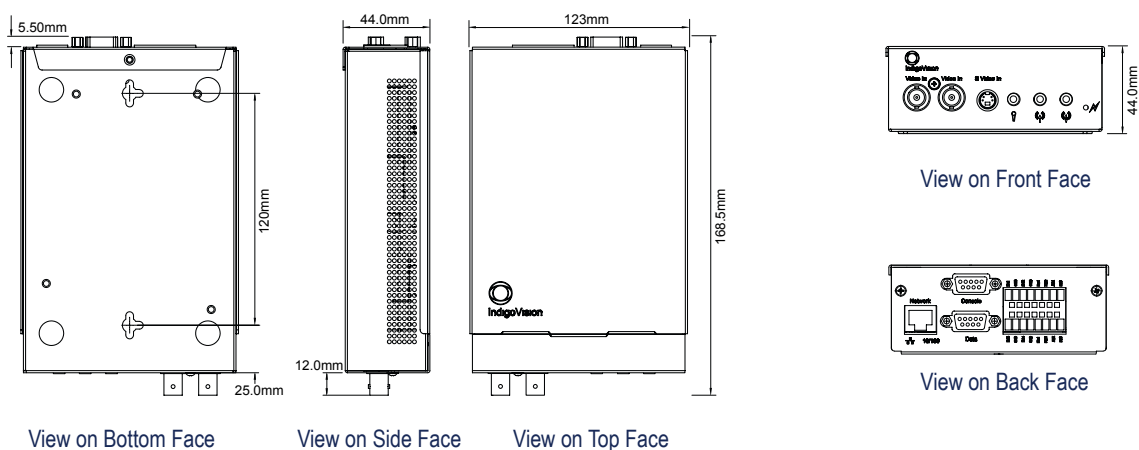
| | | | | |
|-------------|--------------|----------------------------|------|-----------|
| COMPRESSION | H.264 | GUARANTEED 25fps | FPGA | AAC |
| | INTELLIGENCE | ACF | ACF+ | Analytics |
| | | Motion Detection | | |
| | OTHER | DNA | PoE | Firewall |
| BNC | | | | |
| PHYSICAL | Low Temp | | | |
| | High Temp | | | |

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 2Mbps 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.