Visual Engineering
Video solutions. Integrated

PAL/NTSC H.264 Video Encoder

Converts PAL or NTSC Video & Audio to a H.264 IP Stream

A simple to use rugged in-line module that accepts PAL or NTSC composite video and outputs an ONVIF compliant dual H.264/MJPEG IP stream.

Together with the built-in microphone it provides a complete hardware solution to digitise SD video & audio and broadcast it as an encoded IP stream.

Customers can tailor their requirements to fit the application through recording, Power over Ethernet (PoE) and WiFi add-on options.

Control which includes video configuration, integrated trigger capabilities, WiFi and recording setup is all supported via a web page interface.

The recording option features secure micro SD card storage. Access to the stored movie files can be either by physically removing the SD card or via FTP transfer using the VE Camera Viewer software or an FTP transfer software tool.

With the inclusion of the WiFi option it allows the video stream to be viewed on a WiFi enabled hand held device. WiFi Access Point and Station modes are supported.

Dependant on configuration, the unit can be powered either by the DC power supply included in the kit or Class 0 Power over Ethernet.

It is housed in a CNC machined aluminium IP67 case to produce a unit that is very robust, reliable and suitable for professional use.

Overview
PAL/NTSC Composite Video Input
H.264 IP Stream Output
ONVIF Compliant
Configurable Options
WiFi Option - Integrated Access Point
SD Card Recording Option
Power over Ethernet Option
Integrated Microphone
Web Page Control Interface
Video Player Support App
Motion Triggers
Interconnect Cables Included
IP67 Waterproof
Low Power
Compact Size

Encoder Options with Part Numbers

The encoder module is available in several variants, as described by part number in the following table.

Option	Straight Body	PoE Body
Standard	110-8928	110-8944
SD	110-8941	110-8945
WiFi	110-8942	110-8946
SD and WiFi	110-8943	110-8947

Kit Contents with Part Numbers

The kit comes complete in a foam lined carry case.

- The full kit of accessories   110-8931

The full kit of accessories includes the following parts:

- Cat5e RJ45 to Binder Cable   110-8658
- Encoder Breakout Cable   110-8932
- Passive PoE Cable Set   110-8301
- Mains to DC Power Supply*   110-8661   *15V, 1.6A with world adaptors
- USB Memory Stick**   110-8679   **Includes supporting documentation

Specifications			
Input Video	PAL or NTSC	Optional WiFi	2.4GHz
Video Encoding	Dual H.264 and MJPEG	VMS Compliance	ONVIF
Audio Encoding	G711	Power	5 to 16V DC, 1.4W
Microphone	Voice Band Silicon Omni	Temperature	-20 to +50°C
Max Bit Rate	10Mb/s	Environmental	IP67
Streaming Protocol	RTSP over TCP or UDP	Weight	52g
Optional Recording	32GB micro SD Card	Dimensions	82.5 x 25 x 20mm

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