VISUAL ENGINEERING
INTEGRATED VIDEO SOLUTIONS

HD-IP Camera

Configurable HD-IP Compact Camera

The HD-IP Camera couples a 1080p30 high sensitivity system on chip imager with a highly integrated ONVIF compliant dual H.264/MJPEG IP encoder.

These, together with the built-in microphone combine to produce a tightly integrated, low power HD-IP camera solution.

Visual Engineering has developed this core technology to deliver a configurable product to meet the needs of the professional surveillance market. The camera's rugged build also makes it highly suitable for use in heavy industry and high vibration environments.

Customers can tailor their requirements to fit the application through lens mount, recording, WiFi, PoE and connector configurable options.

The camera supports short & long pinholes and M12 lenses as standard. C and CS lens mounts are also made available using an adaptor.

Full camera 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, 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 any WiFi enabled device. WiFi Access Point and Station modes are supported.

Dependant on configuration, the unit can be powered either by 12V DC, or Class 0 PoE.

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

Overview
Compact HD-IP Camera
1920 x 1080p30 Resolution
H.264 Streaming
ONVIF Compliant
Configurable
WiFi Option - Integrated Access Point
SD Card Recording Option
Power Over Ethernet Option
Straight or Right Angle Connectors
Pinhole, M12, C & CS Lens Mounts
Sensitivity of <0.1 Lux
Integrated Microphone
Motion Triggers
Web Page Control Interface
Interconnect Cables
Rugged Build
Low Power

The HD-IP Camera is provided in a foam lined carry case.

In addition to the HD-IP Camera, the kit also includes a camera mount, interconnect cables, power supply, a selection of lens options and several lens adaptors.

The kit contents vary depending upon the chosen camera type. The kit shown here is for the straight connector camera.

The kit contents for each type together with the individual part numbers of each component in the kit are described below.

Straight & Right Angle Camera Kit Contents	Part Number
• Lens M12 – 2.1mm pinhole	110-2497
• Lens M12 – 4.3mm pinhole	110-2498
• Passive PoE Power Injector Cable	110-8301
• Cat 5e to Binder 8 Way Cable	110-8658
• Power Supply 15V – 1.6A with adaptors	110-8661
• Wall Tripod Mount	110-8665
• M12 Long Lens Adaptor	110-8667
• CS Mount Adaptor	110-8668
• C Mount Adaptor	110-8669

Power Over Ethernet Camera Kit Contents	Part Number
• Lens M12 – 2.1mm pinhole	110-2497
• Lens M12 – 4.3mm pinhole	110-2498
• 1M Cat 5e RJ45 Cable	110-8644
• Wall Tripod Mount	110-8665
• M12 Long Lens Adaptor	110-8667
• CS Mount Adaptor	110-8668
• C Mount Adaptor	110-8669

For each of the three body styles there is the option to include the SD and WiFi options.

Straight Connector   Right Angle Connector   PoE Connector

The part number for each camera type is detailed in the table below.

Option	Straight Connector	Right Angle Connector	PoE Connector
Standard	110-2753	110-2757	110-2761
SD	110-2754	110-2758	110-2762
WiFi	110-2755	110-2759	110-2763
SD and WiFi	110-2756	110-2760	110-2764

Specifications			
Camera Sensor	2Megapixel, CMOS	Input Voltage	6 to 16V DC
Camera Sensitivity	< 0.1 Lux	Recorder Storage	32GB Micro SD Card
Camera Resolution	Max: 1920 x 1080 30P Min: 320 x 240	Optional WiFi	2.4GHz
Max Bit-Rate	10Mb/s	Power Consumption	1.7W Wifi +0.9W to 1.2W
Field of View	90º Pin Hole Standard	Operating Temp Range	-10°C to +50°C
Video Encoding	Dual H.264 and MJPEG	VMS Compliance	ONVIF
Audio	G.726, Omni Microphone	Straight Connector Right Angle Connector PoE Connector	20 x 25 x 55.5mm 20 x 25 x 48.5mm 20 x 25 x 74.2mm
Streaming	RTSP over TCP or UDP	Environmental	IP65 (Straight & RA Connectors)

Product specifications subject to change without notice

Tel: +44 (0)1206 211842
Web: www.visualengineering.co.uk
Email: sales@visualengineering.co.uk