



## HD IP Camera Configurable HD IP Camera System

Miniature 1080p30 IP Camera  
H.264 Streaming  
Recording and WiFi Options

The HD IP camera represents the forefront of IP camera technology.

It 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 the smallest, lowest power HD IP camera system available.

Visual Engineering has developed this core technology to deliver a configurable product to meet the needs of the professional surveillance market.

Customers can tailor their requirements to fit the application through lens mount, recording, WiFi, Power over Ethernet (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 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 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
Miniature 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
Web Page Control Interface
Interconnect Cables Included
Low Power
Small Size



The HD IP Camera is provided in a foam lined carry case, as shown here.

As well as the HD IP camera, the kit 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

- Lens M12 – 2.1mm pinhole
- Lens M12 – 4.3mm pinhole
- Passive PoE Power Injector Cable
- Cat 5e to Binder 8 Way Cable
- Power Supply 15V – 1.6A with adaptors
- Wall Tripod Mount
- M12 Long Lens Adaptor
- CS Mount Adaptor
- C Mount Adaptor

#### Part Number

- 110-2497
- 110-2498
- 110-8301
- 110-8658
- 110-8661
- 110-8665
- 110-8667
- 110-8668
- 110-8669

#### Power Over Ethernet Camera Kit Contents

- Lens M12 – 2.1mm pinhole
- Lens M12 – 4.3mm pinhole
- 1M Cat 5e RJ45 Cable
- Wall Tripod Mount
- M12 Long Lens Adaptor
- CS Mount Adaptor
- C Mount Adaptor

#### Part Number

- 110-2497
- 110-2498
- 110-8644
- 110-8665
- 110-8667
- 110-8668
- 110-8669



There are three different body styles to choose from, as shown below. For each body style there is the option to include the SD and WiFi options. The part number for each type is detailed in the table below.



Straight Connector



Right Angle Connector



PoE Connector

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	User Configurable Max: 1920 x 1080 30P Min: 320 x 240	Power Consumption	1.7W If WiFi is Added +0.9W to 1.2W (Range Dependant)
Max Bit Rate	10Mb/s	Optional WiFi	2.4GHz
Field of View	User Configurable 90° Pin Hole Standard	Operating Temp Range	-10°C to +50°C
Video Encoding	H.264 Compression BP @ Level 4.1 MJPEG Dual Streaming	VMS Compliance	ONVIF
Audio	G711, G726 Encoding, Voice Band Silicon Omni Microphone	Dimensions 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 Protocol	RTSP over TCP or UDP	Environmental	IP65 (Straight & RA Connectors)

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