



## SWZ-HD

### Compact, Pan, Tilt & Zoom IP Camera

The SWZ-HD camera uses multiple lenses and sensors to provide a stepped zoom effect, minimising the size requirement and maximising low light sensitivity.

The SWZ-HD utilises three 1080p imaging sensors, each with a resolution of two mega pixels, these are switched into the integrated ONVIF compliant H.264 encoder.

Each sensor is paired with a lens of differing focal length, providing a 10x optical zoom from a 50mm diameter package.

As standard the SWZ-HD is shipped with 8, 16 & 35mm lenses, providing fields of view from 40° down to 8°. The simple construction of these prime lenses increases the effective aperture, allowing far more light to hit the sensor than would be possible with a conventional optical zoom or varifocal lens.

A PoE variant of the camera is also available. Internal recording is supported by a 32GB SD card, recorded files are retrieved via FTP transfer or through the use of VE software applications.

Configuration is supported via the camera's embedded web pages or via the ONVIF interface.

PTZ control is integrated into the TCP/IP connection and also through the ONVIF control channel.

With its internal slip ring the SWZ-HD offers continuous pan and 250° of tilt. The unit is mounted in an environmentally sealed IP65 CNC machined housing.

#### Overview

PTZ Camera
IP Streaming
PoE Variant Available
ONVIF Compliant
Milestone Supported
360° Pan
250° Tilt
1080p30 Max Resolution
Web Page Configuration
Internal Recording
Software Application Support
Sensitivity to <0.1 Lux
Dual H.264 & MJPEG Streaming
Streaming and Recording < 2Watts
ø50mm, 75mm Tall



### Kit Contents

The SWZ-HD camera kit comes in a custom foam lined case with the following supplied items:

- ① SWZ-HD pan, tilt, zoom camera
- ② Power comms cable
- ③ Mains power supply with adaptors
- ④ Software and documentation



Part Number	
SWZ-HD Camera Kit	110-3271



Specifications			
Camera Sensors	3 x 2 Mega Pixel, CMOS	Pan Range	360°
Camera Sensitivity	< 0.1 Lux	Tilt Range	250°
Camera Resolution	Max: 1920 x 1080p30	Streaming Protocol	RTSP over TCP or UDP
Max Bit Rate	10Mb/s	Configuration	Web Page Interface
Video Encoding	H.264 & MJPEG	Power Consumption	< 2W
Fields of View	40° 17° & 8° Horizontal	VMS Compliance	ONVIF, Milestone
Lens Mount	S-Mount M12 x 0.5mm	Environmental	IP65
Recorder Storage	32GB Micro SD Card	Dimensions	ø 50mm x 75mm

#### Visual Engineering Technologies LTD

Kemps Farm  
Stanway  
Colchester  
Essex  
CO3 8NB  
UK



Product specifications subject to change without notice

Tel: +44 (0)1206 211842  
Web: [www.visualengineering.co.uk](http://www.visualengineering.co.uk)  
Email: [sales@visualengineering.co.uk](mailto:sales@visualengineering.co.uk)