



SWZ HD

Small, Light Weight Pan & Tilt HD Camera with Switched Zoom Function

The SWZ HD ground breaking design incorporates the latest developments in high definition IP camera technology.

The basis of the SWZ PTZ camera is to use 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 megapixels, these are switched into the integrated ONVIF compliant dual H.264/MJPEG encoder.

Each sensor is paired with a lens of differing focal length, providing a high definition 10x optical zoom PTZ from a tiny 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.

The encoded video is based on the same technology as is found in our HD IP range of fixed cameras, as such a PoE variant of this 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 our PC 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 IP Camera

Switched Zoom Function

PoE Variant Available

ONVIF Compliant

ONVIF PTZ Control

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:

- SWZ HD pan, tilt, zoom camera
- Power Comms Breakout Cable
- Mains power supply with plug adaptors
- USB memory stick containing support software and documentation



Part Number

SWZ HD Camera Kit	110-3271
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Specifications

Camera Sensors	3 x 2Megapixel, 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, PTZ Supported
Lens Mount	S-Mount M12 x 0.5mm	Environmental	IP65
Recorder Storage	32GB Micro SD Card	Dimensions	ø 50mm x 75mm Tall

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