



SWZ Switched Zoom Pan & Tilt Camera

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

The SWZ forms part of a line of highly integrated surveillance products developed by Visual Engineering.

Based around VE's miniature camera technology, the SWZ provides a step zoom camera with pan & tilt in a 55mm diameter package.

The pan and tilt carries four VE miniature cameras, each with a lens of a different focal length. Issuing a zoom command to the unit instructs it to flip the video output from camera to camera. As standard the four lens focal lengths are 4, 8, 16 and 35mm giving a wide range of zoom angles.

Other than the obvious size advantage, using prime lenses over a varifocal or zoom lens provides a faster lens resulting in better low light performance. Also, it eliminates the need for small low torque drives often found in zoom lenses which have a tendency to vibrate on vehicle applications, causing picture degradation.

The unit is mounted in an environmentally sealed, CNC machined housing.

It offers full integrated control over pan, tilt and zoom via standard VE controllers or other available Sony Visca control sources. The unit will respond to messages in Visca or PelcoD on either RS232 or RS485 serial interfaces.

The SWZ is supplied with an interconnecting cable harness as part of the kit.

As standard, the SWZ is supplied with a 1/4-20 UNC tripod mount.

Overview

Pan & Tilt Camera

Stepped Zoom Function

Continuous Pan Using a Slip Ring

Choice of Lens Payload

PAL and NTSC Versions

High Sensitivity

Visca and PelcoD Protocol Control

Small Size

Low Weight

Low Cost PTZ Camera



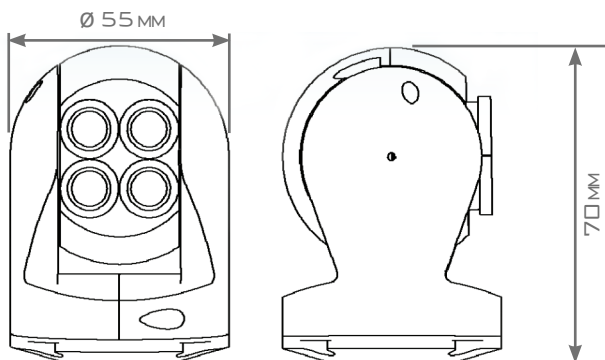
Kit Contents

The kit comes in a foam lined case with the following supplied items:

- SWZ pan, tilt, zoom camera
- Interconnecting cable for power, data comms and video signals
- Mains power supply with plug adaptors
- USB memory stick containing support software and documentation



Specifications			
Camera Sensor	4 x 1/3" CMOS	Protocol	RS232/485 Visca, PelcoD
Camera Sensitivity	< 0.008 Lux	Pan & Tilt Range	270° tilt, Continuous pan
Camera Resolution	>550TVL	Pan & Tilt Drive Train	DC Servo
SNR	>50dB	Power Requirement	6-18V DC, 2W
Field of View	60° - 7.5° Horizontal	Environmental	IP66
Focal Length	4, 8, 16 & 35mm	Weight	148g
Aperture	f2 - f5	Dimensions	ø 55 x 70mm
Lens Type	S-Mount, M12	Casing	CNC Machined Delrin



Part Numbers	
SWZ - PAL Version	110-2716
SWZ - NTSC Version	110-2717

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