

## Models Covered: VS101 Video Stabilizer



Raw shaky video from pole mounted camera



Steadied video coming from QuickSet Video Stabilizer



### Security Cameras Shake

Video from Security cameras often shakes. Shake comes from many sources and is amplified by high-magnification zoom lenses. Swaying buildings, windy locations, cameras mounted near machinery or HVAC, PTZ servos and mobile applications – they all generate shaky and unsteady video.

### Stabilization Benefits

Removing the shake has more benefits than the obvious professional look for the installation:

A steady video shows cleaner details. Sharp details are a requirement for high quality security video. Steady video is less fatiguing to watch. Keeping the operator alert is a major challenge in real-life security CCTV. A steady image helps to meet this challenge.

Steady video compresses better. Modern digital compressors use a lot of bits to encode moving features of a video. If the whole image shakes, it is all moving. This wastes an enormous number of bits. Remove the shake and digital recorders store more video. For the same reason, stable images have higher compression and quality for remote and Internet viewing.

### Features

The QuickSet Video Stabilizer is simple to install. It plugs in between any standard camera and downstream devices such as recorders, multiplexer or transmission systems.

- Works with standard analog cameras
- New installations and retro-fit market are both available
- NTSC or PAL composite video in and out
- Corrects all shake
- Left-Right (X)
- Up-Down (Y)
- Rotation
- Zoom
- Full resolution
- Simple On-Screen or DIP switch selection of parameters

**For Those Who Demand Durability!**

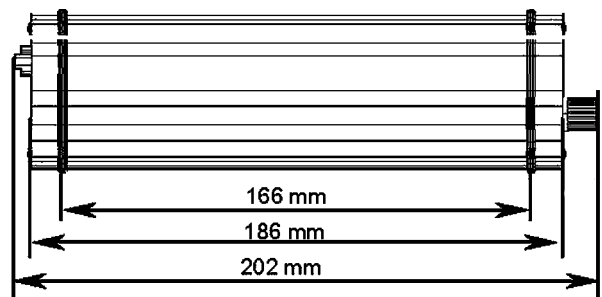
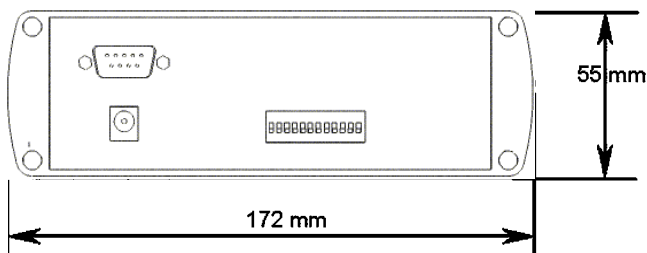
**QuickSet Video Stabilizer at a glance**

**Application Scenarios - Digital Real Time Video Stabilization**



The Video Stabilizer integrates with any standard analog camera or CCTV system and is particularly suitable for:

- Buses, trains, cars
- Ships, airplanes and helicopters
- Unmanned Aerial Vehicles (Drones)
- Tall buildings and bridges
- Coastal Surveillance at windy locations
- Factories with vibration from machinery or HVAC
- Pole-mounted cameras e.g. traffic monitoring



## Technical Specifications

### Video Input

- 1 input channel
- Auto-detect composite PAL or NTSC
- 75 Ohm BNC connector

### Video Output

- 1 output channel
- Output automatically adapted to input format
- 75 Ohm BNC connector

### Power

- External power supply included
- 12VDC, 1.2A
- DC Power Plug 2.5x5.5x14mm, Center+

### Operating Conditions:

- Temperature: 30 – 120°F (0 – 50°C)
- Humidity: 20 – 95%, non-condensing

### Dimensions and Mechanics:

- Height: 2.2" (5.5 cm)
- Width: 6.7" (16.9 cm)
- Length: 7.3" (18.5 cm)
- Weight: 2.4 lbs (1.1 kg)
- Finish: Black powder-coated aluminum
- Protection: Classification IP 65

### EMC compliance

- FCC part 15B class A
- EN55022 class A
- EN61000-3-2
- EN61000-3-3
- EN61000-6-2

### Power Failure Safe

- All user settings stored in EEPROM

### Application Setup

- 12 DIP-switches for parameter selection
- 6-key keypad for control of OSD.

### Board Features:

- Equator 300 MHz BSP-15 DSP
- Coprocessor
- 64 MB SDRAM
- 4 MB Flash
- 4 kbit parameter memory
- Video decoder, ITU 656 YUV 4:2:2 format
- Video encoder, ITU 656 YUV 4:2:2 format
- Extension slot

### Stabilization Correction

- X/Y correction
- Rotation correction
- Zoom correction

### Shake Capture Range Presets

- Small/medium/large

### Output Video Latency

- approx. 100 milliseconds

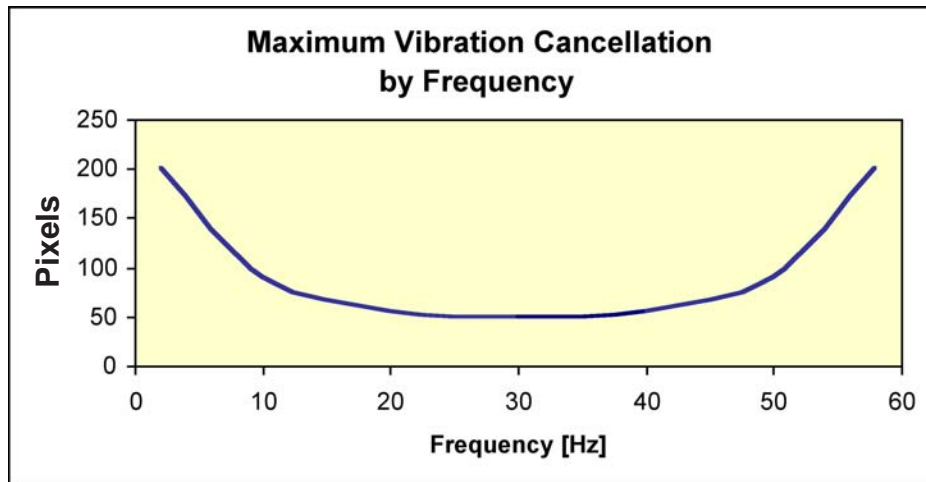
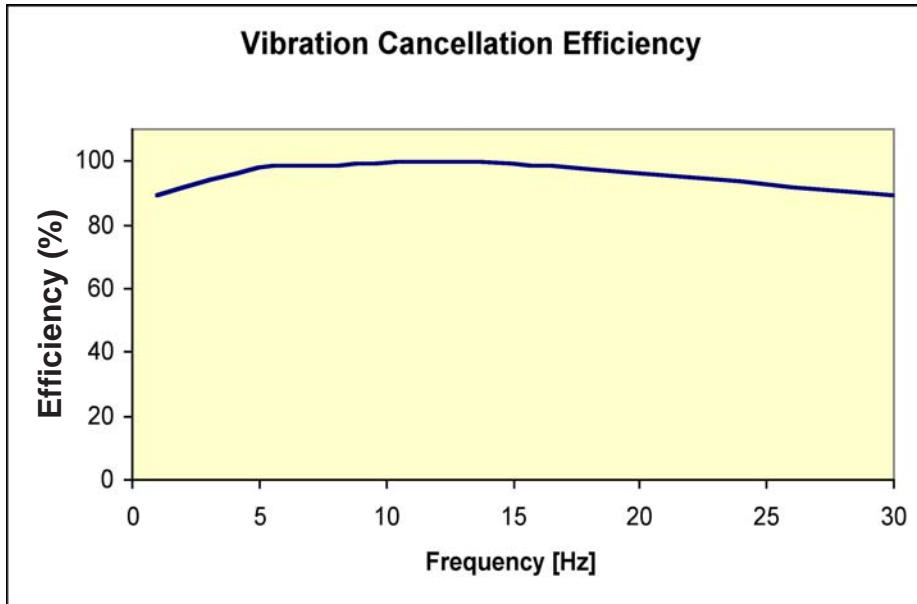
### Exclusion Areas

- Default Region of Interest is entire Frame
- Definition of top and bottom frame exclusion areas (exclude lettering)

### Demo Modes

- Picture-in-picture demo mode
- Side-by-side demo mode
- Manual Toggle with front cancel button

\*Specifications may change without notice



**REAR VIEW**

