

# SteadyEye

«Cure Shaking Video; Live or Recorded»



## Features

- Works with Standard Analog Cameras
- New installations and retro-fit market
- NTSC or PAL video in and out
- Composite Video in and out
- Corrects All Shaking Video
- Left-Right (X)
- Up-Down (Y)
- Rotation
- Zoom
- Unlimited Spatial Correction
- Full Resolution
- Simple On-Screen or DIP switch selection of parameters



Raw shaky video from pole mounted camera



Steadied video coming from SteadyEye

*The SteadyEye®Unit is simple to install. It plugs in between any analog Color, B/W, IR or Thermal camera and down-stream devices such as recorders, multiplexer or transmission systems.*

## General

### Increase Video Stability

Video from Security cameras often shake. Shake comes from many sources and is amplified by high-power zoom lenses. Swaying buildings, wind-driven locations, cameras mounted near machinery or Heating Ventilation Air Conditioning, PTZ servos and of course all mobile applications, they all generate shaky and unsteady video.

Stabilized video shows cleaner details. Sharp details are a requirement for good and high quality security video.

- Reduce Video Fatigue
- Prepares video for better recording compression
- Stabilizes Recorded Composite Video
- Easy Plug & Fix Solution

## Application Scenarios - Digital Real Time Video Stabilization

SteadyEye® integrates with any analog Color, B/W, IR or Thermal camera and is particularly suitable for:

- Buses, trains, cars, ships and boats
- Airplanes and helicopters
- Unmanned Aerial Vehicles (Drones)
- Tall buildings, bridges and tunnels
- Coastal Surveillance at windy locations
- Factories with vibration from machinery or Air Conditioning
- Pole-mounted cameras e.g. traffic monitoring at highways

## Technical Specifications Desktop Unit



### Video Input

- 1 input channel
- Auto-detect PAL or NTSC
- 75 Ohm BNC connector
- Video Output
- 1 output channel
- Output automatically adapted to input format
- 75 Ohm BNC connector

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### Power

- External power supply
- 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

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## Technical Specifications Rack Unit



### Stabilization Correction

- X/Y correction
- Rotation correction
- Zoom correction

### Zoom Settings

- No digital zoom
- 5% -50% digital zoom

### Vibration Type

- Fast/Medium/Slow/Very Slow

### Minimum Output Video Latency

- ~ 100 milliseconds

### Exclusion Areas

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

### Demo Mode

- Picture-in-picture demo mode
- Side-by-Side demo mode

### Video Input

- Up to 2 input channel
- Auto-detect PAL or NTSC
- 75 Ohm BNC connector
- S-Video on 4-pin mini-DIN connector

### Video Output

- Up to 2 output channel
- Output automatically adapted to input format
- 75 Ohm BNC connector
- S-Video on 4-pin mini-DIP connector

### EMC compliance

- FCC part 15B class A
- CE
- UL and CSA

### Firmware upgrade ability

- Through 9-pin serial (COM) port
- Through terminal block
- Via Ethernet connection

### Power Failure Safe

- All settings stored in EEPROM

### Operating Conditions:

- Temp.: 0 –50°C (32 –122°F)
- Humidity: 20 –90%

### Dimensions and Mechanics:

- Height: 1U (44 mm)
- Width: 448 / 482 mm (19")
- Depth: 284 mm (11")

### Power

- 100-240VAC, 50/60Hz
- Video Input
- 1 input channel
- Auto-detect PAL or NTSC
- 75 Ohm BNC connector

## Assorted Products



Color Quad Unit  
(GCQ4Z)



CloseView®  
(Rack Mount & Desktop Versions)



Interceptor™  
PTZ Dome