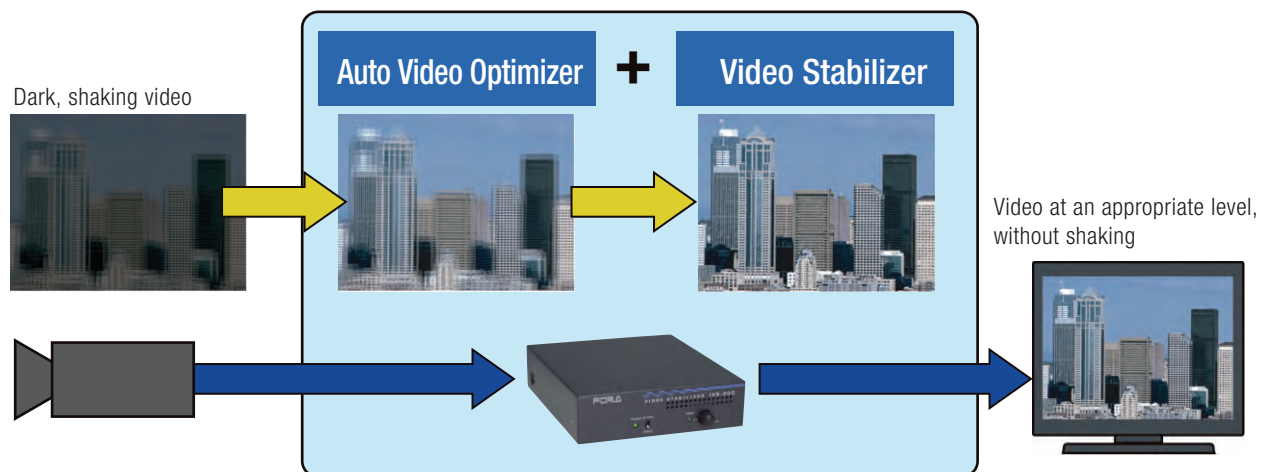# Video Stabilizer & Automatic Video Optimizer

IVS-200

Various functions were added to our video stabilizer, which corrects video shaking during shooting in real time, and repackaged this product as the IVS-200. While existing video stabilizers can could correct vertical and horizontal shaking, this new product also corrects rotation. It also comes with an auto video optimizer (AVO), which automatically corrects of video to appropriate levels. This can dramatically improve the monitoring environment.

Dark, shaking video

Auto Video Optimizer **+** **Video Stabilizer**

Video at an appropriate level, without shaking

Video stabilizer function

■ Shaking images can be corrected in real time
   (enlarges and corrects shaking in two dimensions, including vertical, horizontal, diagonal and rotational).

■ Panning and zooming can be automatically detected so that only shaking is corrected.

■ Because it is a simple design that just needs a video signal input, adding to existing systems is easy and corrections are made in real time.

■ Shaking in previously recorded VTR video can also be corrected.

■ Up to 40% of the screen can be corrected.

■ Achieves sub-pixel level correction precision.

■ Masking function: Sets range of video to be processed
   (e.g. specify areas other than places where subtitles are superimposed).

Auto video optimizer function

■ White and black levels and gamma curves in video are monitored in real time and automatically corrected to normal levels.

■ Recognizes bright and dark spots in the video and optimally corrects only those areas needing it, reproducing clear images with a wide dynamic range.

■ Range of level adjustment can be set
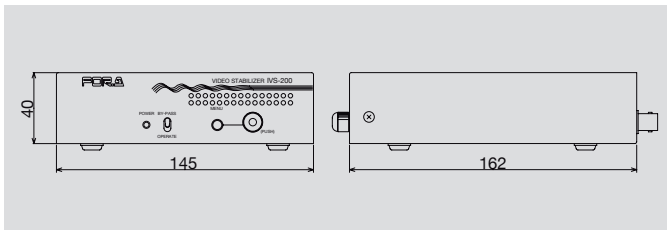   (e.g. set levels to be corrected in dark areas).

Other functions

■ Time display function and title display function
   (alphanumeric characters, codes, maximum 16 characters × one line)

■ NTSC/PAL automatic recognition function
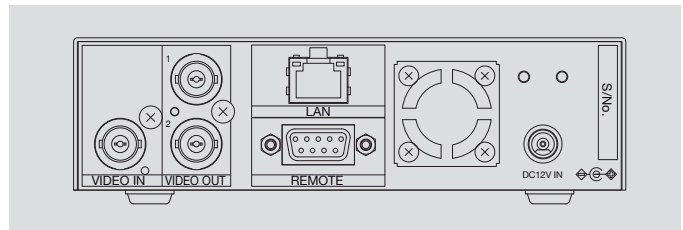
■ Small, portable, DC drive

Specifications

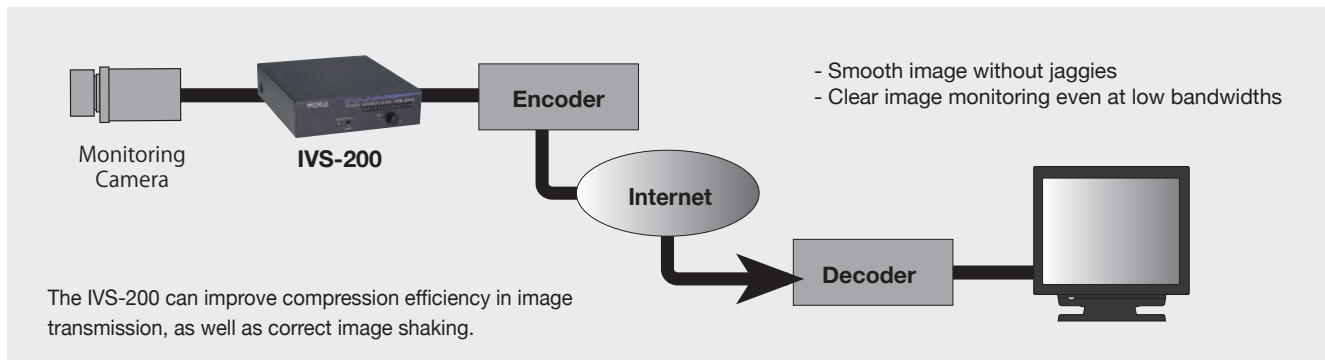|	
Standard	NTSC or PAL (Auto detect)
Video Input	Analog Composite: 1.0Vp-p, 75Ω, 1 input, BNC
Video Output	Analog Composite: 1.0Vp-p ±0.1V, 75Ω, 2 outputs, BNC (Output 1 has a by pass function)
Sampling Frequency of Detection	1Hz to half of field frequency
Correction Method	Corrects shaking in two dimensions, including vertical, horizontal, diagonal and rotational
Correction Range	Adjustable to max. 40% of image size (16 steps)
Correction Accuracy	Sub-pixel level
AVO Mode	AUTO mode: auto detect / HOLD mode: keep present settings / OFF (selectable at menu)
AVO Level	5 steps
Display Characters	Number of characters: 16 characters, 1 line
	Characters: Alphabetical, Numeric and Symbol
Time Display	Display format: Display as, year month, date, minutes, seconds(24 hour display)
	Time accuracy: ±10 seconds or less per month (25ºC)
Interfaces	REMOTE: 1 port, 9-pin D-sub (female)
	Ethernet: 100Base-TX, 1 port, RJ-45
Temperature / Humidity	0ºC - 40ºC / 30% - 90% (no condensation)
Power /Consumption	+12 V DC to +24 V DC / 14 W (at +12 V DC)
Dimensions / Weight	145 (W) x 40 (H) x 162 (D) mm / 0.93 kg
Accessories	Operation manual
Option	AC adapter

External Dimensions

Rear Panel

Application

◆ How to set up remove monitoring system via internet

Monitoring Camera — **IVS-200** — Encoder — Internet — Decoder

- Smooth image without jaggies
- Clear image monitoring even at low bandwidths

The IVS-200 can improve compression efficiency in image transmission, as well as correct image shaking.

To guard against the effects of salt or corrosive gases, do not use in a corrosive environment (near the sea, etc.).
Use protective housing in case of use in a corrosive environment.