

Raven Video Stabilizer

Category	Platform	Mango P/N
Video Stabilizer	Raven M 600Mhz Industrial	RAV-M-600-STBS-I
Video Stabilizer	Raven M 720Mhz Commercial	RAV-M-720-STBS-C



Product Overview

The Raven **Video Stabilizer** is a standalone DSP-based edge device, that stabilizes analog video source from any outdoor, mobile, or airborne cameras.

Using advanced algorithms and simple web-based configuration GUI, this device performs three functions in Real-Time (R/T): Analyzes the video input, filters out the shake and vibrations, and outputs stabilized video output.

Mango DSP **Video Stabilizer** effectively overcomes variety of challenges, such as:

- Wind and weather conditions
- Road, bridge, and rail track vibrations during heavy vehicle movement
- Vibrations from engines and normal motion for vehicle-mounted cameras
- Heavy machinery shakiness in industrial installations

Key Features

- Embedded compact device
- R/T stabilization w/o latency
- High accuracy for fixed or PTZ cameras
- Works with standard Color, B/W, IR, and Thermal cameras
- Supports NTSC, PAL, and Composite Video In / Out
- Easy web-based configuration
- Provides X-Y and rotational stabilization
- Configurable stabilization frequency and edge filling
- Applicable for industrial, ITS, and military deployments - Outdoor / Mobile / Airborne

Product Advantages & Benefits

- Enables superior compression and encoding resulting in lower bandwidth utilization
- Decreases file storage space required for video archival on DVRs, NVRs, and Video Management Systems
- Allows quick and seamless 'plug-in' into exiting architectures (via analog I/O connections)
- Reduces video fatigue and eyestrain by providing clearer and stable video for viewing
- Enhances the accuracy (minimize false positives) and effectiveness of Video Analytics systems

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Technical Specifications

VIDEO	NTSC / PAL
Input	Single Composite BNC 1 Vpp 75 ohms
Output	Single Composite BNC 1 Vpp 75 ohms
Latency	0 – 30 msec
NETWORK	
Interface	10/100 Fast Ethernet
Connector	RJ-45
SYSTEM	
Processor	TI DM642 @ 600/720 MHz
Memory	4 MB Boot Flash + 64 MB SDRAM
LEDs	4 general purpose
POWER	12 VDC @ 1 AMP (Max.)
ENVIRONMENT	
Form factor	Standard Eurocard, 6.29 x 3.93 in, [160 x 100 mm]
Operating Temp.	Commercial: 0°C - 50°C (-32°F to 122°F) Industrial: -40°C to 85°C (-40°F to 185°F)
Certifications	FCC part 15 Class A, CE EMC Class A, CE Safety
WARRANTY	One year limited warranty
DIMENSIONS	L: 8 inches [203.2mm] W: 5.2 inches [132.08mm] H: 1.5 inches [38.1mm]
WEIGHT	430gr (14.54 oz)

