

# VIDEO DSP SERVER 104+

## Military, Aerospace and Government Business Unit



### FEATURES

- ★ **Six (6) Video Inputs**
- ★ **One (1) 10/100/1000 Ethernet Output**
- ★ **Composite and S-Video Inputs**
- ★ **Composite Output**
- ★ **Serial Control for each card**
- ★ **RTCA/DO-160D**
- ★ **MIL-STD 810F and 461D**

The Video DSP Server utilizes 6 Mango Raven PC/104 *Plus* card designed for low power, rugged, mobile and stationary applications. Each board uses 2 TI DM642 DSP processors allowing the Raven-X2 104 to deliver up to 4 channels of MPEG-4 or H.264 compressed video stream at 4 CIF resolution 704x480 pixels, at up to 30 fps. Video is streamed over the onboard Ethernet interface using industry standard RTP/RTSP. Video DSP Server also supports audio and video output for applications such as intercom and video decoding. The DSP processor provides an intelligent means for efficient, at the edge, adaptive bandwidth control.

The Video DSP Server accepts analog video on each channel in either S-Video or RS170 format. The unit is capable of encoding six (6) analog inputs simultaneously and multicasting on a single Ethernet output. The transmitted analog video on each outbound channel is in RS170 format.

### Environmental Specifications

#### **Temperature:**

Operating: 0° C to +55° C

Non Operating: -20° C to +70° C

**Humidity:** 5 to 95% Non-compensating

**Altitude:** 0 to 15,000 Ft.

**Vibration:** RTCA/DO-160D, Section 8, Fixed wing/Turboprop

**Acceleration:** RTCA/DO-160D, Section 7, Fixed wing/Turboprop

**Decompression:** MIL-STD 810F, Method 500.4, Procedure III

**Sand/Dust:** MIL-STD 810F, Method 510.4, (20 mm)

**Fungus:** MIL-STD 810F, Method 508

**Crash Safety:** RTCA/DO-160D, Section 7, Cat B, and Fixed wing/Turboprop

**Electromagnetic Radiation:** MIL-STD 461D, Cat A1B, CE101, CE102, CE106, CS101, CS103, CS104, CS105, RE02, RS02, RS03, and RS06

**Ground Bonding:** MIL-STD 464 Class "R"

**Identification Marking:** MIL-STD 130J

### Power Requirements

**Input Pwr:** 28 VDC, MIL-STD 704A

**Wattage:** 110W

**Power Hold-up:** 50ms

### Physical Dimensions:

7.5"W x 4.18"H x 10.0"D

**Mounting:** Shelf Flange



Note: Product is tailored to meet the above specification