

Industrial 4 Channel Intelligent Video Server



- Quad video port encoder, with dual video output
- Streams H.264, MPEG-4 and MJPEG simultaneously
- 4CIF to QCIF Video Resolution at 30 fps
- Bi-Directional audio – G.711 / MP3
- PTZ Camera Control via Serial Port
- Alarm I/O via TTL and Relay
- Text and Graphics Overlay (OSD)
- Complete control through Web Browser or Developer API
- Optional Advanced Video Analytics Built In
- Extended Temperature Grade -40°C to 85°C (-40°F to 185°F)

Raven-X2 104

The Raven-X2 104 is an industrial PC/104 intelligent video server designed for outdoor, mobile and military applications. It delivers up to four channel of H.264, MPEG-4 or MJPEG video compression and streaming. Additionally, the Raven supports several types of advanced video content analysis.

The Raven-X2 104 transforms standard analog video cameras into a networked video streaming and content analysis system. This video server can provide streaming audio, camera PTZ, TTL inputs and Relay output control over any network.

The Raven-X2 104 supports Mango IVS (Intelligent Video Server) software. The Mango IVS software framework enables the seamless integration of third party video analytic software such as motion detection, object recognition, object removal and more.. Mango IVS software allows full command and control of video parameters such as resolution, bit rate, frame rate and the video analytics embedded into the server through a standard web-browser or through a developer API.

The Raven-X2 104 is also available under private label for OEMs looking to develop advanced rugged video surveillance system.

Raven-X2 104 Series

Board Form Factor	PC/104 Plus
VIDEO	
Video In	Four Composite Video, 1 Vpp 75 ohms NTSC/PAL
Video Out	Two Composite Video, 1 Vpp 75 ohms NTSC/PAL
Resolutions	4CIF Down to QCIF
Compression	H.264, MPEG-4, MJPEG
Frame Rate	1-30 fps programmable
Bit Rates	Configurable 32 Kbps to 6 Mbps
AUDIO	
Audio In	2 Stereo or 4 Mono
Audio Out	2 Stereo or 4 Mono
Compression	MP3,G.711. AAC
NETWORK	
Interface	10/100 Fast Ethernet
Protocols	RTP, RTSP, HTTP, UDP, TCP/IP
ALARMS	
Input	8 TTL
Output	4 DPDT Type Relays (up to 1 Amp @ 30 VDC Load)
Connectors	All signals are brought out using header connectors
SERIAL PORT	
Interface	RS232,RS422/485
PTZ Support	Yes
SYSTEM	
Processor	2 TI DM642@ 720 MHz
Flash	4MByte per DSP
SDRAM	128 MByte per DSP
LEDs	10 General Purpose LED Drivers
POWER	
Supply Voltage	+3.3V@ 3AMP and 5VDC@ 1AMP from PCI connector
ENVIRONMENT	
Operating Temperature	Industrial: -40°C to 85°C (-40°F to 185°F)
WARRANTY	One year limited warranty
WEIGHT	118 gr. (4.14 oz)
DIMENSIONS	L: 4.55 inches [115mm] W: 3.77 inches [100mm] H: 1.00 inches [25 mm]