

Raven-Hxi 104

Key Features:

- Dual video port encoder, with single 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)



Industrial 2 Channel Intelligent Video Server

The Raven-HXi 104 is an industrial PC/104 intelligent video server designed for outdoor, mobile and military applications. The Raven- HXi 104 delivers up to 2 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-HXi 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-HXi 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-HXi 104 is also available under private label for OEMs looking to develop advanced rugged video surveillance system.

Technical Specification:

Board Form Factor

VIDEO

Video In

Video Out

Resolutions

Compression

Frame Rate

Bit Rates

AUDIO

Audio In

Audio Out

Compression

NETWORK

Interface

Protocols

CONNECTORS

SERIAL PORT

Interface

PTZ Support

SYSTEM

Processor

Flash

SDRAM

POWER

Supply Voltage

ENVIRONMENT

Humidity

Operating Temperature

WARRANTY

WEIGHT

DIMENSIONS

PC/104 Plus

Two Composite 1 Vpp, 75 ohms NTSC/PAL

Single Composite 1Vpp, 75 ohms NTSC/PAL

4CIF Down to QCIF

H.264, MPEG-4, MJPEG

1-30 fps programmable

Configurable 32 Kbps to 6 Mbps

1 Stereo or 2 Mono

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MP3,G.711, AAC

10/100 Fast Ethernet

RTP, RTSP, HTTP, UDP, TCP/IP

All signals are brought out using header connectors

RS232,RS422/485, UART Outputs

Yes

1 TI DM642 @ 600/720Mhz

4 MByte per DSP

Up to 128 MByte

+3.3VDC and +5VDC from PCI connector

5%- 90% (non-condensing)

Commercial: 0°C - 50°C (-32°F to 122°F)

Industrial: -40°C to 85°C (-40°F to 185°F)

One year limited warranty

86 gr. (3.02 oz)

L: 3.775 inches [95.88mm]

W: 3.55 inches [90.16mm]

H: 1.00 inches [25.40mm]



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