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4 Channel Intelligent Video Server

- Quad Video Port Encoder, with Dual Video Output
- Mango Multimedia Streaming Engine (MMSE)
- Web Server Application
- Multi Streaming - H.264, MPEG-4and MJPEG Simultaneously
- DVD Image Quality
- 4CIF Down to QCIF Video Resolution at full frame rate On-Board Rule Management
- OSD Engine
- End to End Low Latency
- Bi-Directional Audio
- IP Protection
- PTZ Control
- Alarm I/O via TTL and Relay

Raven-X2

The Raven-X2 is a 4 channel, intelligent video server delivering high quality H.264, MPEG-4 or MJPEG video compression plus advanced video analytics from the leading vendors. As a standalone leading edge solution the Raven-X2 transforms standard analog video surveillance cameras into a high performance video streaming and content analysis product. The Raven-M video server is equipped with PTZ control, TTL inputs and relay outputs. The alarms, relays and serial ports allow users to remotely manage events.

The Raven-X2 is powered by the Mango IVS (Integrated Video Server) Software. The Mango IVS framework enables the seamless integration of third party video analytics software creating a truly intelligent edge device. With its advanced features, the Mango IVS allows recording live events, motion detection and full command and control of video parameters such as resolution, bit rate, frame rate and the video analytics embedded into the server. The Mango IVS Software enables on board rule management creating a unique standalone solution that can configure and process analytic rules, and notify the client by posting the violation data through an XML protocol.

The Raven-X2 incorporates the IP camera support feature that transforms the encoder into an IP device that receives encoded video streams from 3rd party IP cameras, analyzes the video content and adds intelligence to existing standard IP video infrastructure.

The integration of third party video analytics with the Mango IVS software and hardware system creates an ideal video surveillance solution that reacts to threats using predefined rules, and issues alerts accordingly.

KNRC Corporation
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Raven-X2 Series

VIDEO

Video In	Four Composite BNC or S-Video 1 Vpp 75 ohms NTSC/PAL
Video Out	Dual Composite BNC
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
Connector	BNC

AUDIO

Audio In	2 Stereo or 4 Mono
Audio Out	2 Stereo or 4 Mono
Compression	MP3, G.711
Connector	4 x 3.5mm Audio Jacks

NETWORK

Interface	10/100 Fast Ethernet
Protocols	RTP, RTSP, HTTP ,UDP, TCP/IP
Connector	Dual RJ-45 Connector

ALARMS

Input	8 TTL
Output	8 DPDT Type relays (up to 1 Amp @ 30 VDC Load)
Connector	24 Position Terminal Block

SERIAL PORT

Interface	RS232, RS422/485 UART Outputs
Connector	9 pin D-Type
PTZ Support	Yes

SYSTEM

Processor	Dual TI DM642 @ 600 MHz
Flash	4 MByte Boot Flash Per DSP
SDRAM	64 MByte Per DSP
LEDs	8 General Purpose LEDs

POWER

Supply Voltage	12VDC

ENVIRONMENT

Form Factor	
Operating Temperature	Commercial: 0ºC - 50ºC (-32ºF to 122ºF) Industrial: - 40ºC to 85ºC (- 40ºF to 185ºF)
Certification & Regulation	FCC part 15 Class A CE EMC Class A CE Safety

WARRANTY

One year limited warranty

WEIGHT

715 gr. (25.22oz)

DIMENSIONS

L: 9.64 inches [244.86mm] W: 5.9 inches [150mm] H: 1.77 inches [44.96mm]

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