

Condor VS-16



Key Features:

- Video Streaming over IP Network
- 16 Analog Video Sources
- 1U 19" Rackmount
- MPEG-4/MJPEG Compression
- D1 @ 15 fps for 16-channels
- Dual Encode Live View/Recording
- Built-In De-Interlacing
- Operates Mango IVS™ software
- Built-in Video Analytics *
- Gigabit Ethernet
- 8 Audio In/Out
- RS232+RS422/485 for PTZ control
- 16 Alarm Inputs/8 Relays/ USB 2.0

16-Channel Intelligent Video Server

The Condor VS-16 is a powerful 16-channel IP Video Encoder designed to transform analog cameras to high quality IP video streams. This industry leading rack-mount IP Encoder is capable of delivering DVD quality video plus advanced video analytics. The critically acclaimed Mango IVS™ software embedded in the Condor VS-16 is able to capture and encode analog video and audio while actively monitoring cameras for intruders and rule violations. Mango IVS™ provides an easy to use built-in web based interface to control all aspects of video encoding and analytics.

The Condor VS-16 IP Encoder uses MPEG-4 and MJPEG video compression, AAC and G.711 audio compression, for creating, playing, and streaming digital media over the network. The compressed audio and video is delivered over a TCP/IP network via standard streaming protocols such as RTP/RTSP or HTTP. Each input stream can be encoded at different quality levels for recording and for live view. The image size, frame rate, resolution and bitrates are all adjustable from the remote viewing location.

The Condor VS-16 supports two way audio to enable audio streaming applications. Pan/Tilt/Zoom camera support is provided by RS232 and RS422/485 serial communication ports. A wide range of PTZ camera protocols is supported and an open API is included for application integration and future

support of other formats. TTL inputs allow integration with alarms and external sensors. Dry contact relay outputs can be used to control simple external devices. USB 2.0 ports are provided for future expansion purposes such as support of mass storage and other external devices.

Mango IVS™ is an open architecture that allows the Condor VS-16 to run video content analysis software from a variety of leading video analytics vendors. Mango DSP's 3rd party network offers algorithms such as object detection, classification and rule violation detection. Other algorithms include image stabilization, object counting, auto tracking, and face and license plate recognition.

Mango IVS™ enables integration with 3rd party IP cameras, encoders and DVRs. The Condor VS-16 can capture compressed video from the network and apply one of the video content analysis algorithms.*

The Condor VS-16 is supported by major video management software brands and can integrate with OEM built applications using DirectShow® or RTP server.

The Condor VS-16 runs a Linux 2.6 Kernel core and can be programmed to support a wide range of custom applications.

* 3rd party analytics upgrades available Q4 2009

Technical Specification:

VIDEO

Video In

Resolutions

Compression

Frame Rate

Bit Rates

Connector

16 Composite 1 Vpp, 75 ohms NTSC/PAL + optional De-Interlacing
D1, 4CIF, 2CIF, HALFD1, CIF, QCIF

MPEG-4, MJPEG

1 - 30 fps, dual encoding of up to D1@15fps & CIF@7.5fps per channel

32Kbps up to 8Mbps

16 BNCs

AUDIO

Audio In

Audio Out

Compression

Connector

8 Mono Line/Microphone Inputs

8 Mono Line Outputs

G.711, AAC

8 Audio Jacks (3.5mm)

NETWORK

Interface

Protocols

Connector

10/100/1000 Ethernet

RTP, RTSP, HTTP, UDP, TCP/IP

RJ-45 Connector

ALARMS

Input

Output

Connector

16 Bi-Directional TTLs

8 Dry Contact Relays (up to 1 Amp@30 VDC Load)

Terminal Block

SERIAL PORT

Interface

Connector

PTZ Support

RS232, RS422/485

RS232 via 9 Pin D-Type, RS422/485 via Terminal Block

Yes

USB

Ports

Dual USB 2.0 ports

POWER

Supply Voltage

12V @ 5 Amp

ENVIRONMENT

Form Factor

Operating Temperature

Certification & Regulation

1U 19-Inch compatible

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

UL, FCC, CE

WARRANTY

One year limited warranty

WEIGHT

5.3 lb. [2.4 kg]

DIMENSIONS

L: 5.55 inch [141 mm]

W: 17.30 inch [439.5 mm]

H: 1.710 inch [43.6 mm]



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