



8-Channel Intelligent Encoder

The WeibrIDGE X10-8 is a powerful eight 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 WeibrIDGE IVS software embedded in the X10-8 is able to capture and encode analog video and audio while actively monitoring cameras for intruders and rule violations. WeibrIDGE IVS provides an easy to use built-in web based interface to control all aspects of video encoding and analytics.

The X10-8 IP Encoder uses H.264 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 X10-8 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

Feature Highlights

- Video Streaming over IP Network
- 8 Analog Video Sources
- 1U 19" Rackmount
- H.264/MJPEG Compression
- 30 fps on every channel @ D1
- Dual Encode Live View/Recording
- Built-In De-Interlacing
- Operates WeibrIDGE VMS software
- Built-in Video Analytics available soon
- Gigabit Ethernet
- 8 Audio In/Out
- RS232 + RS422/485 for PTZ control
- 16 Alarm Inputs / 8 Relays/ USB 2.0

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.

WeibrIDGE IVS is an open architecture that allows the X10-8 to run video content analysis software from a variety of leading video analytics vendors. WeibrIDGE'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.

WeibrIDGE IVS enables integration with 3rd party IP cameras, encoders and DVRs. The X10-8 can capture compressed video from the network and apply one of the video content analysis algorithms.

The X10-8 is supported by major video management software brands and can integrate with OEM built applications using DirectShow® or RTP server.

The X10-8 runs a Linux 2.6 Kernel core and can be programmed to support a wide range of custom applications.

US Office

Inner Harbor Center, 8th Floor, 400 East Pratt
Street, Baltimore, MD 21202, USA
Tel: (301)880.0555

China Office

Suite B, Floor 33, No. 18, North CaoXi Road.
Shanghai, China 200030
Tel: (21) 5459.0958
Fax: (21) 5459.0010

E-mail:

Sales: sales1@weibrIDGE.com
support: support1@weibrIDGE.com
General Enquiries: general1@weibrIDGE.com
www.weibrIDGE.com

Specifications

VIDEO

Video In	8 Composite 1 Vpp, 75 ohms NTSC/PAL + optional De-Interlacing
Resolutions	D1, 4CIF, 2CIF, HALFD1, CIF, QCIF
Compression	H.264, MJPEG
Frame Rate	1 - 30 fps, dual encoding of up to D1@30fps & CIF@7.5fps per channel
Bit Rates	32Kbps up to 8Mbps
Connector	8 BNC connectors
Latency	Maximum 150 or 200 ms

AUDIO

Audio In	8 Mono Line/Microphone Inputs
Audio Out	8 Mono Line Outputs
Compression	G.711, AAC
Connector	8 Audio Jacks (3.5mm)

NETWORK

Interface	10/100/1000 Ethernet
Protocols	RTP, RTSP, HTTP, UDP, TCP/IP, ARP, ICMP, Multicast, Telnet
Connector	RJ-45 Connector

ALARMS

Input	16 Bi-Directional TTLs
Output	8 Dry Contact Relays (up to 1 Amp@30 VDC Load)
Connector	Terminal Block

SERIAL PORT

Interface	RS232, RS422/485
Connector	RS232 via 9 Pin D-Type, RS422/485 via Terminal Block
PTZ Support	Yes

USB

Ports	Dual USB 2.0 ports
-------	--------------------

POWER

Supply Voltage	12V @ 5 Amp
----------------	-------------

ENVIRONMENT

Form Factor	1U 19-inch compatible
Operating Temperature	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]



US Office

Inner Harbor Center, 8th Floor, 400 East Pratt
Street, Baltimore, MD 21202, USA
Tel: (301)880.0555

China Office

Suite B, Floor 33, No. 18, North CaoXi Road.
Shanghai, China 200030
Tel: (21) 5459.0958
Fax: (21) 5459.0010

E-mail:

Sales: sales1@weibridge.com
support: support1@weibridge.com
General Enquiries: general1@weibridge.com
www.weibridge.com