

Weibridge X7 is a compact 2-channel intelligent video server delivering high quality H.264, MPEG-4 or MJPEG video compression plus advanced video content analytics. It is designed to allow a distributed intelligent video architecture, transforming analog cameras into a proactive video surveillance solution enhanced by PTZ control, TTL inputs and relay outputs.

Feature Highlights



- Dual Video Port Encoder, with single Video Output**
- Multi Streaming - H.264, MPEG-4 and MJPEG Simultaneously**
- 4CIF Down to QCIF Video**
- Resolution at full frame rate**
- On-Board Rule Management**
- End to End Low Latency**
- Bi-Directional Audio**
- Alarm I/O via TTL and Relay**
- Available in Commercial or Extended Temperature Grade**

High Resolution - Full Motion Video

Weibridge X7 provides high quality digitized video over standard IP Ethernet networks. Every image is encoded in real-time and transmitted at up to 30/25 (NTSC/PAL) frames per second. The advanced MPEG4/H.264 capability provides full motion quality video for digital CCTV surveillance applications.

Third party video analytics integration

The integration of third party video analytics with the Weibridge X7 software and hardware system creates an ideal video surveillance solution that reacts to threats using pre-defined rules, and issues alerts accordingly.

Standards Compliant

Video is encoded using standard MPEG-4 and H.264 compression. Audio is encoded and decoded via G.711. The video stream/s can be viewed by Weibridge software/hardware decoders and/or third Party products.

The video, audio and serial data can be transmitted over any standard IP network. This includes Ethernet, Gigabit Ethernet, ADSL and ATM networks.

Network Scalability and Flexibility

The Weibridge X7 is powered by the Weibridge VMS. The Weibridge X7 framework enables the seamless integration of third party video analytics software creating a truly intelligent edge device. With its advanced features, the Weibridge VMS 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 Weibridge VMS 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.

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Specifications

Video

Video In	Two Composite BNC or S-Video 1 Vpp 75ohms NTSC/PAL
Video Out	Single Composite BNC
Resolutions	4CIF Down to QCIF
Compression	H.264, H.264, MJPEG
Frame Rate	1-30fps programmable
Bit Rates	Configurable 32Kbps to 6 Mbps

Audio

Audio In	1 Stereo or 2 Mono
Audio Out	1 Stereo or 2 Mono
Compression	G.711, MP3
Connector	2 x3.5mm Audio Jacks

Network

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

Alarms

Input	4 TTL
Output	4 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	TI DM642 @ 600/720MHz
Flash	4MB Boot Flash
SDRAM	64MB
LEDs	4 General Purpose LEDs
Power	12VDC

Environment

Operating Temperature	Commercial: 0°C - 50°C (-32°F to 122°F) Industrial: -40°C to 85°C (-40°F to 185°F)
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Weight

430g (14.54 oz)

Dimensions

L: 8 inches (203.2mm)W: 5.2 inches (132.08mm)
H: 1.5 inches (38.1mm)

Feature / Package	Basic	Full
Object Classification	■	■
Tripwire Event Detection	■	■
Multi-Segment Tripwire Event Detection	■	■
“Enters” Event Detection	■	■
“Exits” Event Detection	■	■
“Inside of” Event Detection	■	■
Object Size Filters	■	■
Object Size Change Filters	■	■
Saliency Filters	■	■
Scene Change Event Detection	■	■
“Appears” Event Detection		■
“Disappears” Event Detection		■
Loitering Event Detection		■
Leave Behind Event Detection		■
Take Away Event Detection		■
Multi-view		■



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