



COMPACT H.264 / MPEG-4 IP VIDEO ENCODER

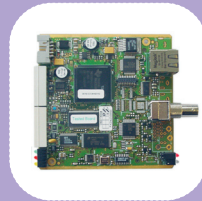
VSIP2

“Video is a must,
quality is our plus”



FEATURES

- ▶ Single channel up to 720 x 576 resolution at full frame rate
- ▶ High quality video compression (H.264 or MPEG-4)
- ▶ Real time unicast / multicast streaming with low latency
- ▶ Dynamic text insertion
- ▶ Control by web interface & PC SDK
- ▶ Upgradable firmware over IP Network
- ▶ Automatic alarm management
- ▶ Data tunnelling over IP (control of PTZ cameras)



APPLICATIONS

Video surveillance systems
Point-to-point transmission
Digital video matrix



MARKETS

Security: Traffic control, transportation, urban surveillance, airports, banks, casinos, industry, buildings

Multimedia: corporate TV, Interactive video, video learning



BENEFITS

High quality codec:
Save bandwidth maintaining excellent image quality

Remote control and maintenance: web interface and upgradable firmware via the network

Interoperability: stream fully ISO compliant - Compatibility with standard players

OVERVIEW



VSIP2 is a **compact** audio/video encoder for transmitting any analog video source over **IP networks**. Fully functional as a stand-alone device, VSIP2 is also designed with mobility in mind. Its **small form factor** is a perfect fit where space is limited.

VSIP2 includes «**best-in-class**» MPEG-4 or H.264 video compression ensuring excellent image quality and enabling high frame rates at **low bit rates**. AAC-LC audio encoding can be added as an option with perfect audio / video synchronization.

Manage parameters **on the fly** and **remotely** thanks to a web interface or by using the ATEME video security PC Software Development Kit.

VIDEO

- **Standard:** H.264 Main Profile or MPEG-4 ASP
- **Bit rate:** 64 kbps – 4 Mbps
- **Frame rate:** up to 25/30 fps
- **Resolutions:** QCIF / CIF / 2CIF / HalfD1 / 4CIF / Full D1
- **Bit rate regulation modes:** Constant / Variable
- **Low latency:** Encoding / Decoding latency < 200 ms

NETWORK

- **Streaming protocols:** RTP/RTSP/SDP (unicast or multicast)
- **Ethernet protocols:** TCP, UDP, HTTP, DHCP

ALARM

- **Triggers:**
Video signal loss, system failure, digital input and user message
- **Resulting actions:**
Text on screen display, digital output, led and user message

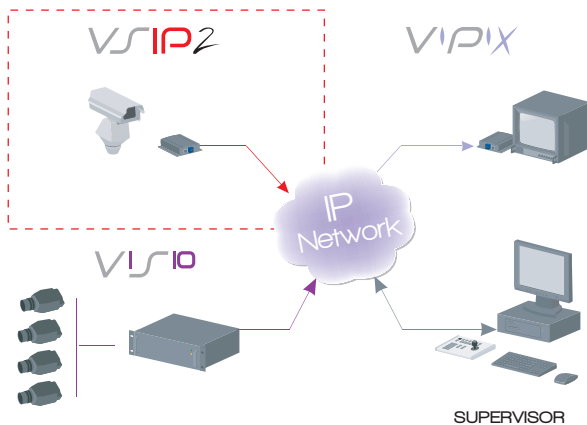
SYSTEM

- **Configuration, control and firmware update:**
Via Web browser or PC SDK (TCP/IP)

OPTIONAL AUDIO

- **Standard:** AAC-LC (mono)
- **Bit rate:** 64 kbps
- **Sampling rate:** 8 kHz - 48 kHz

ATEME's equipment in a video surveillance system



INTERFACES

- **Video:** 1 x BNC input
- **Audio:** 1 x mono input on screw-down block connector (option)
- **Ethernet:** 10/100 Mbps Base-T, half/full duplex on RJ-45
- **Serial links:** 1 x RS232/RS422/RS485 on screw-down block connector
- **Power:** Jack connector or dedicated rack connector
- **Alarms:** 1/1 digital input/output on screw-down block connector

PHYSICAL

- **Enclosure:** robust metal case
- **Dimension:** 130 mm x 35 mm x 105 mm - 5.12 in x 1.38 in x 4.13 in
- **Environmental:** operating 0°C to +50°C - operating 32°F to 122°F
- **Power consumption:** 9-12 VDC, max 5W



CE FC

COMMERCIAL REFERENCE

- VSS-110-HW: Electronic board version (MPEG-4)
- VSS-110-F: Stand-alone version (MPEG-4)
- VSS-110-R4TE: Blade 4TE width version (MPEG-4)
- VSS-110-R7TE: Blade 7TE width version (MPEG-4)
- VSS-111-HW: Electronic board version (H.264)
- VSS-111-F: Stand-alone version (H.264)
- VSS-111-R4TE: Blade 4TE width version (H.264)
- VSS-111-R7TE: Blade 7TE width version (H.264)
- VSS-110-SDK-PC-L: VSIP2 PC Software Development Kit for Linux
- VSS-110-SDK-PC-W: VSIP2 PC Software Development Kit for Windows

Options:

- VSA-110-MP-R7TE: 3U rack panel for 12 x VSS-110-R7TE units
- VSA-110-MP-R4TE: 3U rack panel for 20 x VSS-110-R4TE units
- VSA-ALIM-15: 12 VDC power supply
- AAC: AAC-LC audio mono compression

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