



ViSio

4-CHANNEL IP ENCODER

WITH INTERNAL RECORDING

“An intelligent way
to stream video”



FEATURES

- ▶ **Capture:**
Up to 4 channels at various resolutions and frame rates
Dynamic text insertion (date, time...)
Video channel duplication and resizing algorithms
- ▶ **Encode & Stream:**
Video: H.264 & MPEG-4 SP / ASP
Audio: AAC-LC
Streaming: Unicast and multicast over RTP
- ▶ **Record & Extract:**
Circular buffers for permanent recording
Ability to stream the recorded videos
Extractions of selected sequences into .mp4 files
- ▶ **Control:**
Web interface
Windows / Linux PC software development kit
Serial links (PTZ & data tunneling) and I/O's management
- ▶ **Extras:**
Support of OBJECT VIDEO intelligent software (Onboard)
Record and review from other sources
Source code of the firmware as an option

OVERVIEW



ATEME has conceived ViSio for those who want the best in technology. Thanks to an innovative architecture based on two processors, ViSio offers unprecedented video quality and enables local recording thanks to its internal storage capability.

ViSio uses the latest **high performance MPEG-4 SP/ASP/AVC** video codec with AAC-LC audio, ensuring **synchronized audio and video** at low bit rates maintaining excellent image quality and high frame rates.

Manage all the parameters **on the fly** and **remotely** thanks to its web interface or by using the ATEME video security PC SDK.



APPLICATIONS

Video surveillance systems
Point-to-point transmission
Digital video matrix
Embedded recorder
Compact NVR



MARKETS

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

Multimedia: corporate TV, interactive video, video learning, video medicine



BENEFITS

Configuration flexibility: many parameters are accessible in order to adapt to any user situation

Remote control and maintenance: built-in web server and upgradeable firmware via the network

Dual processor architecture to maximize performance: DSP for video processing and GPP for recording and streaming



VIDEO

- **Standard:** H.264 / MPEG-4 SP/ASP (ISO 14496-2/10)
- **Bit rate:** 64 kbps – 4 Mbps
- **Frame rate:** up to 25/30 fps per channel
- **Resolution:** QCIF / CIF / 2CIF / VGA / HalfD1 / D1
- **Bit rate regulation modes:** Constant / Variable with max

AUDIO

- **Standard:** AAC-LC (ISO 14496-3)
- **Bit rate:** 16-256 kbps

NETWORK

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

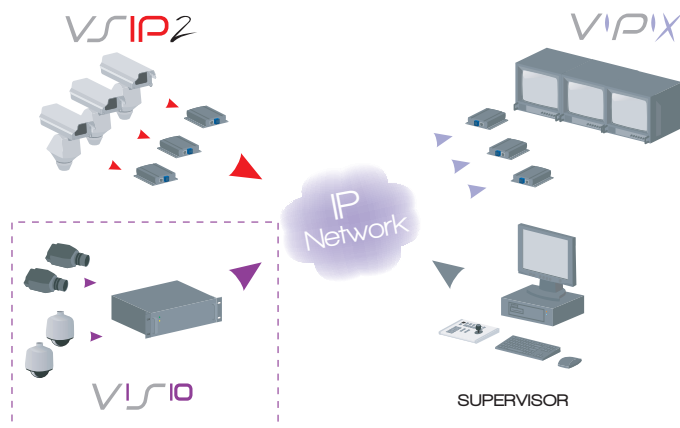
SYSTEM

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

PHYSICAL

- **HDD:** 320 GB / 3.5 inches
- **Enclosure:** robust metal case
- **Dimension:** 230 mm x 112 mm x 68 mm
- **Environmental:** operating 0°C to +50°C
- **Power consumption:** 20W

ATEME's equipment in a video surveillance system



INTERFACES

- **Video:** 4 x BNC inputs
 - **Audio:** 1 mono input on RCA (or microfit connector)
 - **Ethernet:** 10/100 Mbps Base-T, half/full duplex on RJ-45
 - **Serial links:** 1 x RS232 on SubD9 connector and 1 x RS422/RS485 on screw-down block connector (or microfit connector)
 - **Input voltage:** 12 VDC on jack connector (or microfit connector)
 - **Alarms:** 4/1 isolated inputs/output on screw-down block connector (or 3/1 on a microfit connector)
 - **Leds:** 3 leds on the front panel (or 4 leds on the rear panel)
- For optional usage:
- **Video:** 1 x BNC output
 - **Audio:** 1 mono output on RCA (or microfit connector)
 - **Other:** USB 1.1, 5 x buttons and 1 x IR sensor

BUSINESS MODEL

Phase 1: EVALUATION

- ViSio-EK: Evaluation kit (including the first unit, docs and technical support)

Phase 2: CUSTOMIZATION

- ViSio-AK: Application kit (including the PowerPC firmware in source code)
- ViSio-DSPSC: DSP source code kit (including the DSP firmware in source code)

Phase 3: HARDWARE PRODUCTION

by the Customer

- ViSio-ORCAD: ViSio orcad schematic files
- Production license for the software

Or

by ATEME

- VSR-410-S: Stand-alone version
- VSR-410-F: Stand-alone version (ruggedized interfaces)
- VSR-410-R: Blade version
- VSR-410-HW: Electronic board version

Options:

- VSR-410-RD: DIN rail version
- VSR-410-PROC: ViSio processing board
- VSA-410-R3U: 3U rack panel for 6 x VSR-410-R units
- VSA-ALIM-12: 12 VDC power supply

Note: "410" refers to MPEG-4 SP/ASP products. For H.264 versions, use "411" as a reference. This product is available without HDD (streaming only). In this case, use "VSS" instead of "VSR".



VSR-410-F

Front panel



VSR-410-S



Rear panel



www.ateme.com