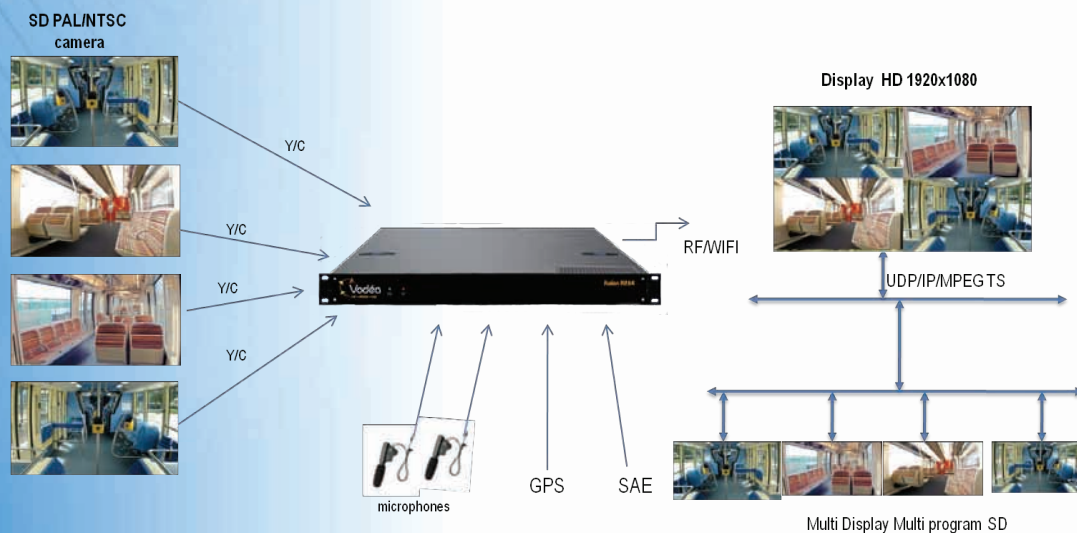


On-board codec audio-video-data over IP

Fusion H264 is design to transmit audio, video and data over Internet Protocol. Main applications are transport security (air, rail and road), video surveillance, observation & intelligence, aircraft remote control. The Fusion H264 card adds **High Definition MPEG4 AVC** video/audio and data acquisition capabilities to your embedded system. Effective video compression rate varies from 0.7 Mbps to 5 Mbps/camera according the video compression level which is user programmable. In addition, Fusion H264 provides a "4 Standard Definition video to 1 HD video" **up converter** (mosaic in real time) and an on-board **metadata** into MPEG Transport Stream **wrapper**.



Inputs

Video :

- 4 PAL/NTSC
- full D1 (625i or 525i)

Audio :

- 1 analog stereo audio channels (16bit-LR serial (48 kHz) PCM input)

Metadata :

- Ttime, localization, SAE datas

Control/Command :

- Ethernet 100BT or Serial link

Advance Pre-Processing

Video encoder :

- MPEG-4 AVC H.264 **High Profile Level level 3.0 & 4.0** (ISO / IEC14496-10)
- Adjustable Video Compression Levels

Audio encoding :

- MPEG-1 Audio Layer 2

Image processing :

- Pan, shrink
- Tilling

Outputs

- Ethernet 100BT RJ45
- UDP / IP / MPEG Transport Stream conform to ISO/IEC13818-1
- IP Broadcast, multicast and unicast

Storage

- Standard USB key : 4/8/16 GB (up to 9 hours)
- Rugged storage in option

Physical and power

- Format : 1RU rack or Rugged compact cabinet option
- Electrical consumption : 23 W
- Power supply : 72V, 110/220 V
- Operating temperature: -20°C to +70°C