



Module A - MPEG4 Encoder assy.

Applications:

- Wireless video links
- Wireless UAV/UGV/USV links
- Wireless IP cameras (with TR430-3G/M-C)
- Digital Video Recorders
- In-Car Video Systems

Module A DESCRIPTION

Module A is an advanced MPEG2/MPEG4 video compression module. It includes an audio Codec, a video and audio pre-processor DSP with a real time clock, a video compression ASIC and a video post processing DSP.

Resolution, frame rate, latency and output data rate are user programmable.

It includes the following optional features: A 1.2W audio power amplifier, a real time clock with battery backup and a camera Pan/Tilt/Zoom (PTZ) control port.

Module A Features

- NTSC/PAL video input with a maximum resolution of 720x480 at 30 frames/sec.
- Electret microphone input
- Video pre-compression processing
 - Eliminate thermal camera noise
 - Reduce camera/image jitter
 - Electronic zoom
 - Add time stamp + on-screen display
 - Detect a no-change in image
- Video compression (user adjustable)
 - Variable output data rate
 - Variable frame rate
 - Variable latency
- Camera PTZ controller output
- Small and low weight (**60mm x 33mm**, 28gram)
- **Low cost**

Module A Optional features

- Real Time Clock
- PTZ control
- Audio 1.2W power amplifier