

SED-2410

Preliminary

- MPEG-4 ASP compliant compression
- 2-channel PCM/ADPCM audio compression
- Up to Full D1 resolution
- QoS enabled (L2, L3) video streaming (UniCast/MultiCast)
- Automatic frame rate control for video streaming
- Digital time code embedded
- Dual MPEG-4 video stream output via LAN and WAN (PPPoE supported) ports at the same time
- Isolated digital inputs and outputs supported
- Analog and digital video outputs simultaneously

▶ Transmit analog image into digital data with ultra high resolution

The SED-2410 is a high resolution, Ethernet (LAN and WAN) ready digital video/audio transmission device. It is specially designed to meet the increasing need for high quality, high reliability, real-time video streaming used in the field of surveillance and security.

The SED-2410 is based on Arm9 SoC, MPEG-4 ASP compliant compression technology to compress the video stream, ADPCM audio compression, and transmit them via LAN and WAN. It supports automatic/manual frame rate control for concurrent video stream accessing in different bandwidth. The SED-2410 provides RS-232 or RS-422 or RS-485, and also provides digital I/O data transmission over Ethernet for product integrators or solution providers. With this system, users can build digital remote surveillance system easily.

PRODUCT SPECIFICATION

Image System

Compression	MPEG-4 ASP compliant hardware compression
Resolution	QCIF (160 x 112 in NTSC, 176 x 144 in PAL) CIF (352 x 240 in NTSC, 352 x 288 in PAL) Full D1 (720 x 480 in NTSC, 720 x 576 in PAL)
Image Frame Rate	30 fps at 720 x 480 resolution (NTSC) 25 fps at 720 x 576 resolution (PAL)
Audio	PCM/ADPCM

Network

Protocol Supported	TCP, UDP, HTTP, PPPoE, DDNS, DHCP, IGMP
QoS	Layer 2, 3

I/O Interface

WAN Port	RJ-45 x1 (10/100base-T)
LAN Port	RJ-45 x1 (10/100base-T)
Serial Port	Terminal blocks (RS-232/422/485)
Analog Video Input	Composite, BNC connector x2
Analog Video Output	Composite, BNC connector x2
Isolated Digital Output	Terminal blocks x2 • Logic Level 0: 0.1 ~ 0.6 V • Logic Level 1: 2.4 ~ 5 V
Isolated Digital Input	Terminal blocks x2 • Logic Level 0: 0 ~ 0.4 V • Logic Level 1: 3.3 ~ 30 V

Mechanical

Dimensions (W x H x D)	36.5 mm x 119 mm x 93 mm (0.93" x 3.02" x 2.36")
Weight	350 g (0.66 lb)
Power Requirement	12 V / 0.61 A / 7.3 W
Operation Temp	5 °C ~ 50 °C (40 °F ~ 122 °F)
Humidity	RH10 % ~ 90 %

Others

Watch Dog Timer	5 sec.
Security	Password/username protection for restricted camera access
General Functions	•DI/O event triggered via Ethernet •Built-in Web Server and network interface
Client Software OS Supported	Win 2000, Win XP, Win 2003
Certification	CE, FCC Class B