

Simultaneous H.264 / MJPEG Video Server Board

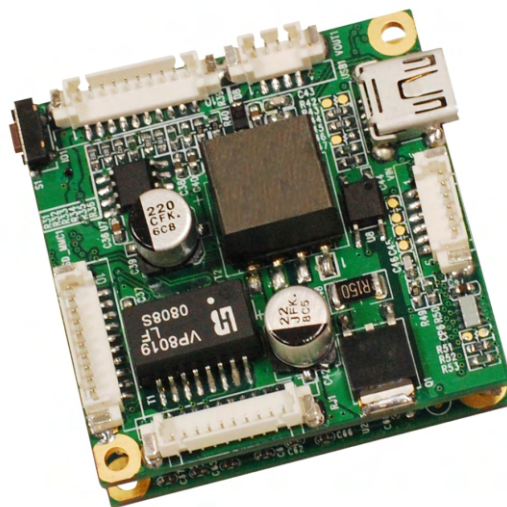
VS-2311TE

APPRO provides an ideal video server board (VS-2311TE) that brings digital benefits into your analog surveillance devices. The tiny body design can apply in all kinds of analog cameras easily for network surveillance.

APPRO VS-2311TE adapts TI's newest digital media processor- Da Vinci DM355 for efficient image operation, but also offers simultaneous dual-codec (H.264 / MJPEG) video streaming with the highest resolution, Full D1, at 30/25 frames (NTSC / PAL). In addition, based on different bandwidth, users can choose multi-profile (different resolution) which in MJPEG video streaming.

The VS-2311TE provides user-friendly UPnP features. The USB interface is for basic network setting and update. Its SD card slot supports alarm and event recording and update. In addition, this encoder board also comes with Power over Ethernet (PoE) function and RS-485 interface for all kinds of PTZ cameras application.

APPRO launch this full-featured dual-codec video server board for its clients more advanced digital surveillance solution.



2311TE

Features

- Simultaneous H.264 / MJPEG video compression.
- Supports simultaneous multi-profile (different resolution) in MJPEG video streaming.
- Supports one video input and two-way audio.
- Supports all kinds of analog cameras application.
- Provides SD card for update.
- Supports PoE function.
- Tiny body design: 42 x 42 x 25 mm.

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SPECIFICATIONS

Image system

- Video compression :
 - Simultaneous H.264 & MJPEG video streaming.
 - Simultaneous multi-profile (different resolution) video stream(MJPEG).
- Resolutions : Full D1/ Half D1 / CIF / QCIF @ 30(25) / 24 /15 /5 IPS, adjustable.
- Image quality : 5 levels.

Audio

- Line in Microphone.
- Audio compression: u-law.
- 2-way audio: Full-duplex / Half-duplex / audio off.

Network

- Support protocols : HTTP, HTTPS, TCP, RTSP, RTP, RTCP, DHCP, UPnP, ARP, DNS, DDNS, SNTP, PPPoE, FTP⁺, SMTP⁺.
- Throughput : 2.0M bytes/sec.
- Security :
 - Multiple authorities levels.
 - IP filtering.
- Users : 16 simultaneous user access.

Connectors

- 10 pin/pitch 1.25 connector (wire to Rj45) : Ethernet.
- 10 pin/pitch 1.25 connector (wire): SD Card.
- 4 pin/pitch 1.25 connector (wire to BNC & DC Jack): Video output + DC12 input.
- 6 pin/pitch 1.25 connector (wire): Video input + DC12 output.
- USB x1: Mini-B type 2.0 slaver.
- 10 pin/pitch 1.25 connector (wire): Alarm input / output / reset +GND +RS-485 x2 +Audio input / output + Reset.

Application

- Alarm management :
 - Alarm triggered by built-in motion detection / external alarm input.
 - Alarm notify to ANNP / *email / *FTP / SD card / alarm output.
 - Pre-alarm memory: 6MB (MJPEG).
- Video management :
 - Built-in Web server.
 - CMS Software.
- System integration : Comprehensive development SDK kit, including HTTP-API / ActiveX control.
- Update : SD card / Web page / FTP.

Miscellaneous

- Power :
 - Power over Ethernet (IEEE 802.3af).
 - DC 12V.
- Temperature : 0°C ~ 50°C.
- Platform : TI Davinci Dm355.
- Dimension : 42 x 42 x 25 mm.

