

VIDEO MULTIPLEXER

**High Transmission
Efficiency**



Video / Audio Over E1 Multiplexer ST-2409-FA

Over View

ST-2409-FA series E1 video coder & decoder, mainly used in long-distance video monitoring, have function of E1 single directional transmitting video signal.

It is ensured that any device with E1 interface, such as PBX, Mobile base station, SS7 signaling device and voice post system, can seamlessly connect to E1 video coder & decoder. Also, E1 video coder & decoder can be applied in E1 based communication system, such as: LAN, WAN, MAN and wireless network.

Features

- Video over E1 transparent transmission;
- Optional 1 inverted data channel of RS485/422/232/Manchester;
- Optional 1 positive directional data of 485/422/232/Manchester
- Optional 1 inverted audio channel
- Optional 1 positive directional audio channel
- E1 single directional transmission signal at fractions ($N*64K$), according with G.703/704
- High transmission efficiency, low transmission delays;
- High quality of video signal, video cameras can be controlled by PTZ using RS-232/485 interfaces
- Console port for configuration issues;

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Specification

Interface	E1	Standard: E1 interface compatible with G.703 standard. Rate: n*64 kbps (n=10-31) Coding: HDB3 Impedance: 75Ω (unbalance), 120Ω (balance) Connector: BNC (75Ω), RJ45 (120Ω) Jitter Performance: According to G.742 and G.823
	Video	Format: PAL/NTSC Video Signal: 1VP-P Video Impedance: 75Ω Bandwidth: 8MHz Digitization: 8bit DG: 1% (Typical value) DP:1°(Typical value) SNR: 67dB (Typical value) Color brightness time extension difference: 10ns (Typical value) Color brightness gain difference: ±10% (Typical value) Compression algorithm: H264 (accord with ISO/IEC qua 14496-10 international standard) Video input: 1 complex TV signal CVBS Connector: RCA Sample frequency: 7.27MHz Data deal format: ITU-R BT.656 YCrCb 4:2:2
Asynchronous data		Interface: RS232/RS485/RS422/ Manchester Working mode: Full / half duplex Transmit rate: 300~115.200Kbps Error code rate: 1×10^{-9} Data connector: RJ45
Console		Interface: RS232 Working mode: Full/half duplex Baud rate: 9600 Data bit: 8 Odd & even: none Stop bit: 1 Data stream control: none BACKSPACE choice: ctrl+h, space Data connector: RJ45