

AvediaStream e2552



The AvediaStream e2552 encodes Standard Definition (SD) broadcast quality Serial Digital Input (SDI) in MPEG-4 H.264 main Profile Level 3.0

Scales HD content to SD to create a low bitrate channel on your IP network

Signal loop through; enables insertion of IP head-end into broadcast cabling with no effect on downstream broadcast equipment

- Single channel SDI input
- Better quality at lower bit rates: SD with H.264 compression
- Supports multicast and unicast
- Easy Setup



Technical Specifications

Video Input

Single channel
SDI SMPTE 259M
BNC, 75Ω
Resolutions supported:
525i 59.94Hz
625i 50Hz
720p 50Hz/59.94Hz/60Hz
1080i 50Hz/59.94Hz/60Hz

Video Encoding

SD: H.264 MPEG-4 Main Profile Level 3.0
525i/625i 2Mbps - 10Mbps
Constant or variable bitrate

Audio Input

AES digital audio
SDI embedded audio (stereo audio pair from eight available)

Audio Encoding

MPEG-1, Layer 2
Encoding bit rate 48Kbps – 384Kbps
Audio sampling rate 48KHz
AC3 audio pass through from AES

Network Interface

802.3 10/100BaseT Ethernet

Channel Streaming

Single program MPEG transport stream
RTP or UDP
IP multicast or one unicast address destination
Channel announcement using SAP/SDP

Network Protocols

TCP, UDP, DHCP (client), IGMP

Management

SNMP, TFTP, HTTP
Web management interface
Serial admin port

Control User Interface

Automatic or manual multicast address selection
Configure channel name, number, group membership
Stream on boot

Chassis Options

AvediaStream c1101 providing 1 Encoder
AvediaStream c1103 providing up to 3 Encoders
AvediaStream c1110 providing up to 10 Encoders

Power Consumption

10W Typical (15W Max)

e2552
Blade

Chassis

C1

C3

C10

Resolution

SD

More Information on MPEG Encoders

Encoder family product brochure
Encoder e2110, e2220, e2250, e2532, e2522, e2550, e3520 and e3550 Technical Specifications Datasheets
Chassis c1101, c1103 and c1110 Technical Specifications Datasheets

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