

AvediaStream e3550

Supports High Definition (HD) and Standard Definition (SD) encoding

Encode broadcast quality HD Serial Digital Input (HD SDI) in MPEG-4 H.264 High Profile Level 4.0

Single channel HD SDI input

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

Supports multicast and unicast



Technical Specifications

Video Input

Single channel

SDI SMPTE 259M and SMPTE 292M

BNC, 75Ω

Resolutions supported: 525i 60Hz, 625i 50Hz, 720P 50Hz, 720p 60Hz, 1080i 50Hz, 1080i 60Hz and 1080p 24Hz

MPEG-4 Encoding

HD: H.264 High Profile Level 4.0

SD: H.264 Main Profile Level 3.0

525i/625i 2Mbps - 10Mbps

720p 4Mbps - 20Mbps

1080i/1080p 6Mbps - 20Mbps

Constant or variable bitrate

Audio Input

AES digital audio

SDI embedded audio (single 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)

More Information on MPEG Encoders

Encoder family product brochure

Encoder e2110, e2220, e2250, e2550, e3520 and e3550 Technical Specifications Datasheets

Chassis c1101, c1103 and c1110 Technical Specifications Datasheets

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