

# AvediaStream e3552

Supports 1080p High Definition (HD) and Standard Definition (SD) encoding

Encode broadcast quality HD Serial Digital Input (3G SDI) into MPEG-4 H.264 High Profile Level 4.0/4.2

Single channel 3G 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, 292M and 424M

BNC, 75Ω

Resolutions supported:

525i 59.94Hz

625i 50Hz

720p 50Hz/59.94Hz/60Hz

1080i 50Hz/59.94Hz/60Hz

1080p 23.98Hz/24Hz/50Hz/59.94Hz/60Hz

### Video Encoding

H.264 encoding at constant or variable bitrate

525i/625i: Main Profile Level 3.0 (2Mbps - 10Mbps)

720p: High Profile Level 4.0 (4Mbps - 24Mbps)

1080i/1080p24: High Profile Level 4.0 (6Mbps - 24Mbps)

1080p50/60: High Profile Level 4.2 (6Mbps - 30Mbps)

### 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

### 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

### 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)