

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)

Head Office: Ridge Way, Hillend Industrial Park, Dalgety Bay, Dunfermline, UK, KY11 9JD

t: +44(0) 1383 828 250 f: +44(0) 1383 824 905 w: www.exterity.co.uk e: info@exterity.co.uk

© 2009 Exterity Ltd. All rights reserved. The Exterity Building IPTV logo, AvediaStream, AvediaServer, AvediaCentre and isocket are trademarks or registered trademarks of Exterity Ltd. The information and specification are subject to change without prior notice. Exterity tries to ensure that all information in this document is correct but does not accept liability for any error or omission.

