

AvediaStream e2532



The AvediaStream e2532 encoder streams pre-recorded and live TV and Radio (news, sports, entertainment, educational) SD channels over your existing network. It encodes and distributes content from sources with an HDMI® output such as Blu-Ray/DVD Players, set top boxes, digital cameras, digital signage systems and PCs to an IP network.

Additional benefits include:

- Easy Setup
- Hot swap module allows quick and non intrusive upgrade to existing installations
- Scales 1080i, 720p to SD Encoded low bit rate channel
- Video input options: HD AV or RGBHV
- Audio Input Options: HD AV, Unbalanced Stereo or S/PDIF
- SD H.264 video encoding from devices such as Blu-ray Disc players, digital signage systems and PCs
- IR out for remote control of source device
- Embedded system for high reliability and low power consumption



e2532
Blade

Technical Specifications

Interfaces

Video Input: (Single Channel)

HD AV (HDMI style connector) or RGBHV (15-pin D-type).
1080p 23.98Hz/24Hz/50Hz/59.94Hz/60Hz, 1080i
50Hz/59.94Hz/60Hz, 720p 50Hz/59.94Hz/60Hz, 576i 50Hz,
480i 60Hz auto-switching

Audio Input: (Stereo, AC3 pass through)

HD AV (Embedded)
Unbalanced Line Level stereo (6.35mm Stereo Jack). 2V
p-p 75Ω.
S/PDIF Digital Audio (RCA). 0.5V p-p 75Ω.

IR out (3.5mm jack socket)

802.3 10/100BaseT Ethernet (RJ-45 chassis socket)
Serial RS232 Port for local administration (RJ-45 chassis socket)

Streaming

Up to 80Mbps output per blade
Single program MPEG-2 transport streams (ISO/IEC 13818-1)
RTP
UDP
IP multicast
Multi IP unicast (up to 10 simultaneous locations)
IGMP v2
Channel announcement using SAP/SDP
Video or audio only options

Administration Interface

Configurable Video Input Selection
Configurable aspect ratio override
Multicast/unicast address selection (automatic or manual)
Configure name, number or group membership
Optional Stream on boot

Management

Fully integrated with all Exterity management tools
Network administration via HTTP web interface, SNMP & Telnet
Serial RS232 Admin Port
Telnet Control Interface (TCI)
Event logging via Syslog (RFC 3164) local and remote
Firmware upgrade via TFTP
Configuration backup/restore via TFTP

* HDCP encrypted content is not supported

Chassis

C1

C3

C10

Resolution

SD

Video Input

HD, PAL, SECAM, NTSC auto-switching

Resolutions supported:

- 1080p 23.98Hz/24Hz,
- 1080i 50Hz/59.94Hz/60Hz,
- 720p 50Hz/59.94Hz/60Hz,
- 525i 60Hz and 625i 50Hz (HD AV only)

HD 16:9 aspect ratio

SD 4:3/16:9 aspect ratio

MPEG-4 Encoding

SD: H.264 Main Profile Level 3.0

525i/625i 500Kbps - 15Mbps

Constant or variable bitrate

D1 video resolution

Audio Encoding

MPEG-1, Layer 2

Encoding bit rate 48Kbps – 384Kbps

Audio sampling rate 32KHz, 44.1KHz or 48KHz

AC3 audio pass through from S/PDIF

IR Output

Control of AV source device

System

CPU: MIPS 4Kc 492MHz

RAM: 64MB

Flash: 16MB (for firmware and configuration)

OS: Linux 2.6

Network

Linux IPv4 stack

DHCP or Static IP addressing

IEEE 802.3u 10/100Mbps MDIX Ethernet

Protocol

IP, UDP, TCP, ARP, DNS (RFC 1035), DHCP (RFC 2131), ICMP (RFC 0792), IGMP v3 (RFC 3376), TFTP (RFC 1350), HTTP (RFC 2616), Telnet (RFC 318) Syslog (RFC 3164), NTP (RFC 1305), SAP (RFC 2974), SDP (RFC 4566), RTP (RFC 3550), RTSP (RFC 2362), SNMP (v1, v2c -RFC 1901)

Regulatory

CE:

EN55022: 2006, EN61000: 2006, EN55024:2003

IEC 60950-1 1st Ed 2001, EN-60950-1: 2004

UL/CSA:

47CFR: 2008, ANSI C63-4: 2003

CSA 60950-1-03, 1st Ed. UL 60950-1, 1st Ed.

Power

DC 24V: 10W Typical, 12W Maximum

Physical Format

Modular hot swap blade for Exterity chassis

AvediaStream c1101 providing 1 input

AvediaStream c1103 providing up to 3 inputs

AvediaStream c1110 providing up to 10 inputs

Dimensions

L: 275mm x W: 130mm x H: 40mm

Weight

0.5kg

Temperature

Operating: 0 ...+40°C / +32 ... +122°F

Storage: -20 ...+70°C / -4 ... +158°F

More information on Encoders

	e2110	e2220	e2522	e3522	e2532	e3532	e2250	e2552	e3552	e3535	e3555
Encoding	Full HD**					✓			✓	✓	✓
	HD Ready*			✓		✓			✓	✓	✓
	SD	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	H.264			✓	✓	✓		✓	✓	✓	✓
	MPEG 2	✓	✓				✓				
	MPEG 4		✓				✓				
	Down Scaler			✓	✓	✓	✓	✓	✓	✓	✓
	Up Scaler									✓	✓
	Frame Rate Conversion									✓	✓
	Video Inputs	Composite	✓	✓	✓	✓					
S-Video		✓									
SD Component			✓	✓	✓						
HD Component				✓	✓						
RGBS		✓									
RGBHV						✓	✓			✓	
HD AV						✓	✓			✓	
SD SDI							✓	✓	✓		✓
HD SDI								✓	✓		✓
3G SDI									✓		✓
Audio Inputs	Unbalanced Stereo Audio	✓	✓	✓	✓	✓				✓	
	Balanced Stereo Audio		✓	✓	✓						
	PCM Digital Audio		✓	✓	✓	✓	✓	✓	✓	✓	✓
	AC3 Pass Through			✓	✓	✓	✓	✓	✓		
IR Out	✓	✓	✓	✓	✓	✓				✓	

* Supports up to 1080i resolutions

** Supports up to 1080p resolutions

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