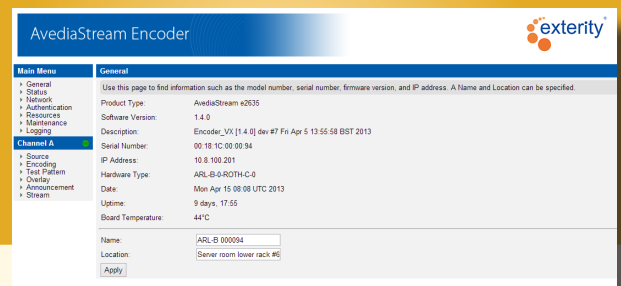


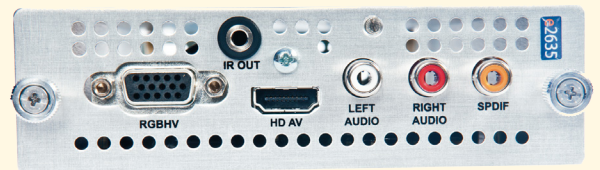
AvediaStream e2635



The AvediaStream e2635 encoder delivers SD, MPEG-2 or H.264, streams from a range of video inputs over your existing network. It encodes and distributes content from sources with HDMI®, VGA or component video outputs such as Blu-Ray/DVD Players, set top boxes, digital cameras, digital signage systems and PCs. Accepts video inputs up to 1080p and encodes at resolutions from 240p to 525i/625i.



- Outputs MPEG-2 Transport Stream over UDP or RTP as IP multicast or unicast stream
- MPEG-2 or H.264 video encoding
- SD or Sub-SD encoding
- MPEG-2 AAC or MPEG-1 Layer II audio encoding
- Video input options: HD AV, RGBHV or YPbPr
- Audio input options: HD AV, Unbalanced Stereo or S/PDIF
- Hot swap module allows quick and non-intrusive upgrade to existing installations



Technical Specifications

Interfaces

Video Input:

- HD AV (HDMI style connector, note HDCP encrypted content is not supported),
- RGBHV (15-pin D-type)
- YPbPr (Component) using adaptor

Audio Input:

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

802.3 10/100BaseT Ethernet (RJ45 chassis socket)

Serial RS232 Port for local administration (RJ45 chassis socket)

Streaming

- Single program MPEG-2 transport streams (ISO/IEC 13818-1)
- RTP
- UDP
- IP unicast
- IP multicast
- IGMP Join Group for enhanced switch compatibility

Channel Management

- Channel announcement via SAP/SDP
- Up to ten simultaneous stream destinations
- Multicast/unicast address selection (automatic or manual)
- Configurable name, number and group membership

Management

- Fully integrated with Exterity management tools
- Network administration via SSH, Telnet and SNMP
- HTTP web interface (Supported browsers Firefox, Internet Explorer and Chrome)
- Serial RS232 Admin Port
- Telnet Control Interface (TCI)
- Event logging via Syslog (local and remote)
- Firmware upgrade via TFTP
- Configuration backup/restore via TFTP

Video Input

PC, HD, ED, SD auto-switching

Resolutions supported:

- 1080p 23.98Hz/24Hz/50Hz/59.94Hz/60Hz,
- 1080i 50Hz/59.94Hz/60Hz,
- 720p 50Hz/59.94Hz/60Hz,
- 525p 60Hz and 625p 50Hz,
- 480/525i 60Hz and 576i/625i 50Hz (HD AV/YPbPr),
- UXGA (1600×1200) 60Hz,
- WXGA (1280×768) 60Hz,
- SXGA (1280×1024) 60Hz,
- XGA (1024×768) 60Hz/75Hz,
- SVGA (800×600) 60Hz/75Hz/85Hz,
- VGA (640×480) 60Hz/75Hz/85Hz

HD 16:9 aspect ratio

SD 4:3/16:9 aspect ratio

Video Encoding

- MPEG-4 part 10 H.264 (ISO/IEC 14496-10)
- High Profile @ Level 4
- MPEG-2 (ISO/IEC 13818-2)
- Main Profile @ Main Level
- Video resolution: 240p, 525i, 625i
- Bit rate: 128kbps – 15Mbps
- Frame rate: 12Hz – 60Hz
- Constant or variable bit rate

Audio Encoding

- MPEG-1 Layer II (ISO/IEC 11172-3)
- AAC
- Encoding bit rate 48kbps – 384kbps
- Audio sampling rate 48kHz

Additional Features

- Watermarking (encode customisable text and logo onto video)
- Test pattern generation
- Automatic streaming of fixed colour/test pattern on loss of video

System

- CPU: ARC 500MHz
- RAM: 512MB
- Flash: 128MB (for firmware and configuration)
- OS: Linux 2.6

Network

- Linux IPv4 stack
- DHCP or Static IP addressing
- IEEE 802.3u 10/100Mbps MDIX Ethernet

Protocols

IP (RFC 791), UDP (RFC 768), TCP (RFC 793), ARP (RFC 826), DNS (RFC 1035), DHCP (RFC 2131), ICMP (RFC 792), IGMP (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), SNMP (v1, v2c -RFC 1901)

Regulatory

CE:
EN55022: 2006, EN61000: 2006, EN55024:2003
IEC 60950-1: 2005 Second Edition /EN 60950-1: 2006 + A11:2009

UL/CSA:
47CFR: 2008, ANSI C63-4: 2003
CSA 60950-1-07, 2nd Ed. UL 60950-1, 2nd Ed.

Environment

- Operating: 0 ...+40°C / +32 ... +104°F
- Storage: -20 ...+70°C / -4 ... +158°F
- Operating and storage Relative Humidity: 10-90% (non-condensing)

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

Power

DC 24V: 14W Typical, 16W Maximum

Weight

0.5kg

AvediaStream Encoders									
	e2310	e2320	e3522	e2635	e3635	e3535	e2655	e3655	e3555
Encoding	HD 1080p					✓			✓
	HD 1080i		✓		✓	✓		✓	✓
	SD	✓	✓	✓	✓	✓	✓	✓	✓
	H.264	✓	✓	✓	✓	✓	✓	✓	✓
	MPEG-2	✓	✓		✓	✓		✓	✓
	Software Scaler	✓	✓	✓					
	Hardware Scaler				✓	✓	✓	✓	✓
	MPEG-1 Layer II	✓	✓	✓	✓	✓	✓	✓	✓
Video Input	Stereo AAC				✓	✓	✓	✓	✓
	Composite	✓	✓	✓					
	S-Video	✓	✓						
	SD Component	✓	✓	✓	✓	✓	✓		
	HD Component			✓	✓	✓	✓		
	RGBS		✓						
	RGBHV				✓	✓	✓		
	HD AV				✓	✓	✓		
	SD SDI							✓	✓
	HD SDI							✓	✓
3G SDI							✓	✓	
Audio Input	Line Level Stereo Audio	✓	✓	✓	✓	✓	✓		
	Balanced Audio			✓					
	Embedded Audio				✓	✓	✓	✓	✓
	PCM digital Audio			✓	✓	✓	✓	✓	✓
	IR Out			✓				✓	

Headquarters

t: +44 (0) 1383 828 250
f: +44 (0) 1383 824 905

w : www.exterity.com
e : info@exterity.com

HQ Edinburgh, UK. Regional offices in Atlanta, Dubai, Hong Kong, Johannesburg, London, Munich and Paris.

Leading IPTV Delivery

