



Provides a bridge between IPTV and SDI environments allowing users to leverage the flexibility of IPTV systems and deliver video into high quality studio and broadcast environments.



Management

- Fully integrated with Exerity management tools
- Network administration via HTTP web interface/ SNMP/Telnet/SSH
- Serial RS232 Admin Port
- Event logging via Syslog (local and remote)
- Firmware upgrade via TFTP
- Configuration backup/restore via TFTP

Additional Features

- Video wall - fine control of display to allow the creation of video walls using receivers, includes wall position control and TV bezel compensation
- Unit-to-unit sync - Multiple receivers showing the same TV channel automatically synchronise video and audio to one video frame
- Low Latency – Sub 400ms system latency between Exerity Encoders and Receivers in full multicast IPTV environments

System

- CPU: ST40-300 650MHz
- RAM: 512MB
- Flash: 128MB (for firmware and configuration)
- OS: Linux 3.4.xx

Network

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

Protocols

- IP (RFC 791), UDP (RFC 768), TCP (RFC 793), ARP, (RFC 826), DNS (RFC 1035), DHCP (RFC 2131), ICMP (RFC 792), IGMP v3 (RFC 3376), TFTP (RFC 1350), HTTP (RFC 2616), Telnet (RFC 854), Syslog (RFC 3164), NTP (RFC 1305), SAP (RFC 2974), SDP (RFC 4566), RTP (RFC 3550), RTSP (RFC 2362), SNMPv1/v2c (RFC 1157/RFC 1901)

- Pick up live IPTV streams or VoD content from the network and output as SDI for integration into broadcast/studio environments and monitors
- 3G SDI video output with variable output resolutions (SDI, HD-SDI or 3G-SDI)
- Exerity Blade format embedded system offering low power consumption and hot swap capability
- Compatible with the AvediaStream Chassis for seamless integration into IPTV systems

Video Output

- BNC 1.75 V p-p 75Ω
 - 3G-SDI : SMPTE 424M (Level A only)
 - HD-SDI : SMPTE 292M
 - SDI : SMPTE 259M
- RCA 1 V p-p 75Ω
 - Composite

Audio Output

- BNC 1.75 V p-p 75Ω
- 3G-SDI, HD-SDI or SDI (Embedded, 2-6 channel PCM audio)
- 3.5mm jack socket
- Unbalanced Line Level stereo (1V p-p 75Ω)

IPTV Stream Decoding

Single program MPEG-2 transport streams (ISO/IEC 13818-1)

- UDP, RTP
- IP Unicast
- IP Multicast
- Video On-Demand: RTSP, HTTP

Channel Management

- Automatic channel discovery from all Exerity head end equipment
- SAP/SDP announcements
- Channel access control
- XML channel lists
- Static channels
- Channel redundancy
- Channel failover to channel or web pag

Regulatory

CE, FCC, UL, CSA, ACMA compliant

- CE
 - EN 55022:2010
 - EN 55024:2010
 - EN 61000-3-2:2014
 - EN 61000-3-3:2013
 - IEC 60950-1:2005 (Ed. 2.0) + Am 1:2009 + Am 2:2013
 - EN 60950-1 2006 + A11:2009, A1:2010, A12:2011, A2:2013
- FCC/UL/CSA
 - 47 CFR:2011, part. 15, sub-part. B
 - ANSI C63-4:2009
 - UL60950-1/CSA C22.2 no 60950-1, Second Edition. Rev. October 14, 2014
- ACMA :
 - EN 55022:2010 +AC2011
 - AS/NZS 60335.1.2011 +A

Physical Format

Modular hot swap blade for Exterity chassis

- AvediaStream c1101 providing 1 output
- AvediaStream c1103 providing up to 3 outputs
- AvediaStream c1210 providing up to 10 outputs

Weight

- 0.5 kg

Environment

- Operating temperature: 0 ...+40°C / +32 ... +122°F
- Storage temperature: -20 ...+70°C / -4 ... +158°F
- Operating Relative Humidity: 5 – 95% (non-condensing)

Power

- DC 24V: 9W Typical, 14W Maximum.

MTBF

- Calculated to MIL-HDBK-217F, notice 2: 99522 hours (11.4 years)

In the Box

- AvediaStream r9350 SDI Player Blade
- Product Safety Brochure (hard copy)