

Kyrion

SR1000



SD /HD MPEG- 2 / MPEG- 4 Bitrate allocator for Broadcast Video Head End

The Kyrion SmartRate™ SR1000 is an innovative Statistical bitrate allocator. When paired with Kyrion AM2102 and AS2204 encoders, the SR1000 offers unmatched bandwidth optimization. Thanks to new statistical algorithms, 20 % bandwidth can be saved compared to legacy CBR video head end. Multiplex construction is achieved externally with the modular MC3100 or any other incumbent multiplexer.

By applying the latest ATEME compression technology, the Kyrion AM2102 and Kyrion AS2204 encoders benefit from a strong VBR efficiency.

SR1000 is capable of adjusting in real time the target bitrates of each encoder to ensure the best usage of the available bandwidth.

SR1000 can be set up with priority strategies for the complete multiplex to grant maximum bandwidth optimization for premium channels.

The ATEME SmartRate SR1000 allows Operators to maintain the highest possible quality level for every channel of the Video Head End.

KEY FEATURES

- MPEG-2 /MPEG-4 support
- Closed-loop
- Ultra fast Look-ahead rate allocation
- Distributed statmux over WAN
- Up to 4 remote pools with up to 64 encoders per pool.
- Synchronized using a proprietary algorithm
- Network tolerant – round-trip messaging up to 450 ms
- Resilient to network losses
- SNMP control support
- N+1 redundancy
- SD/ HD mixed encoders pool support

BENEFITS

- Up to 20% overall bandwidth reduction
- Live Monitoring
- Easy reporting with statistical analysis
- Integrated with DataMiner NMS solution for redundancy

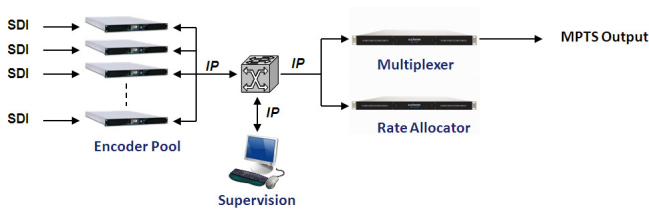
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Keep content looking great wherever it's played

ADVANCED MONITORING AND MANAGEMENT



IP STATISTICAL MULTIPLEXING ARCHITECTURE



VIDEO SPECIFICATIONS

Compatible with ATEME encoder series
AM2101 - AM2102 - AS2204

INPUTS / OUTPUTS INTERFACES

2 Gb Ethernet for video streams
1 Dedicated Management port

CONFIGURATION

DataMiner Networks Management System
SNMP (MIB v2c) with remote SNMP supervisor
Embedded web-server configuration
Front panel with LCD/keypad

PHYSICAL

Dimensions 19" 1-RU
(482 x 44,5x 508 mm / 19"x1.75"x 20")
Weight 7.5 kg/16.5 lbs

ENVIRONMENTAL

Cooling air flow from right side to left side
Operating temperature
5 to 40 °C / +41 ° to +104 °F
Storage temperature
-20 to 70 °C / +32° to +158 °F
Operating humidity 5 to 90% (non condensing)
Input voltage range
100-240 VAC, 50/60 Hz
Typical consumption 80 W

CERTIFICATIONS

ROHS

CE and FCC class B Certifications, ECM Compliance:

- EN 55022: 2006,
 - EN 55024: 1998 / A1 : 2001 / A2 : 2003,
 - FCC PART 15 Class B: 2006,
 - EN 61000-3-2: 2000 / A2 : 2005,
 - EN 61000-3-3: 1995 / A1 : 2001 / A2 : 2005,
- Safety:
- EN/UL/CA 60950-1

ORDERING INFORMATION

- SR1000
- SR1000-LIC-SD
- SR1000-LIC-HD