

# Satellite data receivers

## MediaSputnik 1022 и 1032 series

High Performance

High reliability

High quality



The satellite data receiver MediaSputnik 1022/1032 series is high-efficiency professional DVB/IP device which is intended for reliable receiving, demodulations and decapsulation IP/MPEG2 transport stream, filtering IP packets and transmitting IP data.

Satellite receivers MediaSputnik 1022 and 1032 series serve are applied in different segments of satellite networks to organise high-speed data transfer (up to 90 Mbs) from every central satellite DVB-S/S2 station. Receivers have full compability with Ultra Light Encapsulation (ULE) standardized at RFC 4326 to increase efficient data transfer more than 10% relatively to Multiprotocol Encapsulation (MPE).

Satellite receivers MediaSputnik 1022 and 1032 are offered as a part of circular broadcast system and provide processing data prepared and transmitted through Broadcast data server MediaSputnik 1501 series.

Flexible routing of input DVB stream to IP and back to asynchronous or synchronous channels; reliable multi-address transmission support in Multicast mode for files and video streams.

Receivers provide full complex solution for the satellite data networks operators with remote management elements, monitoring and QoS assurance.

LCC-SNAP and VLAN facilities provides receiver as boundary equipment application in case of organizing path-through network based on different data protocols including MPLS.

Receivers have unique license keys for reliable address receiving and file restoration (in case of data losses up to 50% in satellite trackts due to pulse noise).

- ♦ Multiservice platforms in DVB-S/S2/T/C networks
- ♦ Multimedia services for IP and DVB networks operators
- ♦ High-speed Internet
- ♦ Allocated networks for Multicast traffic transmission
- ♦ "Content on demand" and "Video on demand" systems for SOHO
- ♦ Tele-education
- ♦ E-commerce systems

## Performance specification

Receivers provide reliable and qualitative reception all types of DVB/IP data with the return channels organization in simplex and duplex modes.



The satellite data receivers MediaSputnik 1022/1032 series receive IP the data in basically through the satellite and territorial DVB broadcast channels, organize return channels over accessible communication, including the synchronous and asynchronous channels. At connection of receivers to local area networks, IP packets are route to data transfer local network.

### Main functions

- ◆ Demodulation
  - ◆ Decapsulation
  - ◆ VLAN support
  - ◆ HDTV support
  - ◆ Ethernet Bridging
  - ◆ MPLS support
  - ◆ Receiving DVB data rate
  - ◆ Receiving data over synchronous channel
  - ◆ Data transfer rate over synchronous channel
  - ◆ Quantity of the receive/transfer synchronous interfaces
  - ◆ IP protocols
  - ◆ IP Multicast mode support
  - ◆ Receiving and transferring video
  - ◆ Receiving and transferring video from TS
  - ◆ Management
  - ◆ OS
- QPSK, 8PSK, 16 QAM  
MPE, MPE LCC-SNAP (EN 301 192),  
ULE (RFC 4326)  
802.1q  
1080i/MPEG4(AVC/H.264)  
MPE LLC-SNAP, ULE  
RFC 3107,3209,3468,4781  
up to 90 Mbps  
up to 2 Mbps  
up to 2 Mbps  
from 2 to 16  
ICMP, UDP, TCP etc.  
RFC 1112  
MPEG 2 and MPEG 4  
MPEG 2 and MPEG 4  
Web and SSH  
Linux

### Interfaces

- ◆ IP data
  - ◆ Synchronous channels
  - ◆ Data input
  - ◆ Server management
- 100Base-TX (optional 1000Base-TX)  
V.35, RS 232, RS 422, E1 и др.  
ASI, L band (DVB-S)  
100Base-TX

### Operationg specification

- ◆ Server height for 19" rack
  - ◆ Operating temperature
- 1U  
10-50 grad C

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