

32-channel satellite SAT-IP receiver

PROFESSIONAL SATELLITE L-BAND SIGNALS RECEIVER
is used to receive, demodulate and decode high-speed digital signals within DVB-S/DVB-S2 standards.

- 32 independent demodulators
- low power demand: 60 W
- symbol rate: 1-67 MSps
- supports VCM/ACM
- supports Generic Stream in DVB-S2
- MODCOD DVB-S2 filter



TECHNICAL DATA

8 satellite F-type RF inputs, 75 ohm

demodulators	4 independent per RF input
frequency range	950-2150 MHz
symbol rate	1-67 MSps
input signal level	between -70 and -20 dBm
spectrum analyzer	per RF input

transport stream processing

controlled and criteria-based filtering	PID MODCOD DVB-S2
removing	NULL packets
monitoring and controlling	via WEB-interface

DVB-S2 standard compliance

supports	VCM/ACM, Generic Stream
inputs	Short Frames, Normal Frames FEC BCH + LDPC
QPSK	1/4, 1/3, 2/5, 1/2, 3/5, 2/3, 3/4, 4/5, 5/6, 8/9, 9/10
8PSK	3/5, 2/3, 3/4, 5/6, 8/9, 9/10
16APSK	2/3, 3/4, 4/5, 5/6, 8/9, 9/10
32APSK	3/4, 4/5, 5/6, 8/9, 9/10

DVB-S standard compliance

FEC Reed Solomon + Viterbi	
QPSK	1/2, 2/3, 3/4, 5/6, 7/8
8PSK	2/3, 5/6

PHYSICAL DATA

egress interface

connectors	8 x SFP+
output	1G/10G Ethernet
protocol	UDP/IP
OLED display	a dashboard for monitoring

size, power & environment

size	44 x 430 x 250 mm (1U)
operating temperature	0°C to +50°C
feed voltage	AC: 90-264 V (50/60 Hz) DC: 127-300 V
average power	60 W

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SATELLITE TELEVISION OF TOMORROW

The key element of technology is a SAT-IP protocol implementing DVB to IP conversion.

SAT-IP is the first and only technology in the marketplace providing a multi-screen solution for satellite TV:

the digital TV-signal is transmitted via server into a home network and further via wireless LAN or Wi-Fi – to various gadgets: TV, laptop, tablet, smartphone.

SAT-IP provides the highest quality of streaming TV-signal for all video standards: SD, HD, 4K, Ultra-HD.

SAT-IP supports various mechanisms of video content delivery – through cable, terrestrial and operated IPTV networks.

SAT-IP enables the user to ask a receiver for specific services to receive television broadcast.

SAT-IP delivers programs both in coded and uncoded form.

SAT-IP makes it possible to use service anywhere on the globe with satellite TV penetration; enables clients to receive broadcast-quality TV-signal and high-speed Internet connection in the remote rural areas with rugged topography.

BENEFITS

SAT-IP forwards live satellite programs over IP networks, in their highest quality and in the most cost efficient way

SIMPLIFIES	multi-user network installation: one cable provides services to unlimited number of subscribers and devices
DOESN'T NEED	full upgrade of your home network
ALLOWS	the use of already available satellite antennas
PROVIDES	centralization of service and upgrading
MAINTAINS	exterior of the building – no satellite dishes on apartment buildings
CUTS COSTS	for live streaming of TV programmes
ENABLES	network to perform all IP-based function: satellite TV, Internet, VoIP, etc.
ENSURES	independence from cable TV providers

- community antenna systems
- social institutions: educational, hospitals...
- corporate TV
- hotels and chains, recreation and retreat centers, guest-houses...
- apartment blocks
- villa communities and cottage estates

USE CASES

One device provides a multiple subscriber service:

