

## APPLICATIONS

- Multi-point data broadcasting
- IPTV distribution
- Television contribution / distribution
- Weather – News – educational content

## FEATURES



- DVB-S & DVB-S2 & DVB-S2X
- Dual satellite tuners & IP input interfaces
- MISTIQ Internet distribution enabled
- Flexible PID filtering and forwarding
- 4 point rack mount (2 front & 2 rear) for rugged handling in RBM transit cases like TGRS & AN/TSR-8
- Web server & SAMBA access to file & stream content
- NetManager Network Management System included
- Cyphercast decryption included
- Web Browser interface
- Front panel LCD & Keypad
- QPSK/8PSK/16ASPK/32APSK
- 2 Ethernet interfaces
- Two smart card readers for Cyphercast decryption

## OPTIONS

- Video decoding with resolution and frame rate conversion
- BISS with changeable keys and Crypto-period
- ASI input / output
- High speed operation (70 to 300 Mb/s)
- SSD / HDD storage options to 20 TB
- IPV4 and IPV6 Connectivity

# MAP PRO DATA RECEIVER FOR GBS

## PRO DATA

DVB-S/S2/S2X Replacement for SFX3104

The **MAP Pro Data Receiver** has been designed and implemented as a flexible data receiver for satellite, internet and hybrid satellite / Internet data broadcasting applications. Live streams of video, audio and IP data.

Designed to meet the demands for very high speed delivery of IP streams and files, the **MAP Pro Data** is the ideal store & forward receiver. This flexible and high speed receiver is intended to a backwards compatible replacement for the previous generation of SFX3102R, SFX3104FRL, SFX3104L-RE and the SFX4014 data receivers in commercial and military markets. The receiver uses SSD for application storage. Optional content storage can be added in SSD or HDD form up to 10TB which can easily be upgraded or replaced.

### Flexible Configurations

The MAP Pro Data can be deployed in either a one-way satellite, Internet only or hybrid satellite + Internet configuration. Local storage can be added for content storage. Kencast - FAZZT can be added.

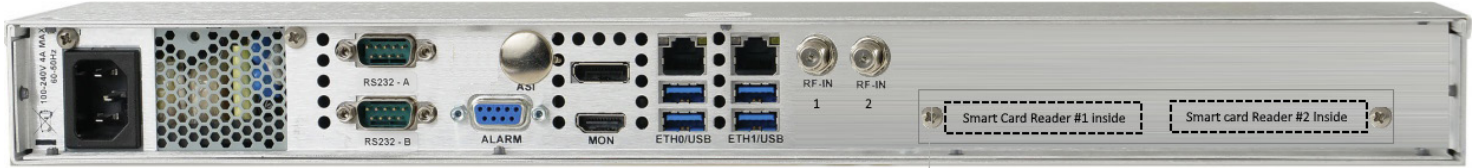
### Video Decoding with PVR

Video decoding with HDMI output along with local PVR recording and playout functionality is supported as an option.

### Decryption Options

Cyphercast decryption is supported with remotely changeable keys when used in conjunction with Cyphercast encryption at the headend. High performance IP stream decryption with Cyphercast using smart cards is included.





Rear Panel

DUAL RF INPUTS	
Frequency Range	950 to 2150 MHz
Frequency Tuning Steps	Synthesized 1 Hz steps
AFC Range (drift tracking)	± 10% Symbol Rate up to ± 2 MHz
Maximum Input Level	-35 to -65 dBm
Connector	2x Type-F, female
Impedance	75 ohms, unbalanced
LNB DC Power	+ 18 VDC maximum (horizontal polarity), or + 13 VDC at 500 mA (vertical polarity) center conductor positive, short circuit protected
LNB Requirement	• DRO type for high symbol rates, stability ± 2 MHz max • PLL type for low symbol rates, stability ± 25 kHz max
Diagnostics	RF input signal level, Es/No (C/N), Margin to threshold, Modulation, and FEC.
DVB-S	
FEC Type	DVB concatenated, Viterbi and Reed-Solomon
MODCOD	QPSK 1/2, 2/3, 3/4, 5/6, 7/8
Roll-off	35%
Symbol Rate	0.128-67.5 MBaud
DVB-S2	
MODCOD	Concatenated, LDPC and BCH QPSK 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
Roll-off	20%, 25%, 35%
Symbol Rate	0.128 - 67.5 MBaud
Gold Code - PLS	0 to 262143

DVB-S2X	
MODCOD (CCM & VCM only)	Concatenated, LDPC and BCH QPSK 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
Roll-off	5%, 10%, 15%, 20%, 25%, 35%
Symbol Rate	0.128-67.5 MBaud
IP Distribution	
Error and data loss protection	MISTIq, ZIXI & UDP/RTP
Hosting	Cloud or On-premises.
OPTIONAL HDD STORAGE	
Storage	Single 10TB HDD
VIDEO	
Interface	HDMI/Subtitles & Close Captions
Format	1920x1080 @ 50/60 FPS 720x576 @ 50/60 FPS
POWER REQUIREMENTS	
Supply Voltage	100 to 240 VAC, +6%, -10%, 50 or 60 Hz
Power Consumption	80 Watts maximum
PHYSICAL PARAMETERS	
Chassis	EIA - 1RU with 2 or 4 point rack mounting
Dimensions (H, W, D)	1.75in H x 19in W x 10.7in D (45cm H x 48cm W x 27cm D)
Weight	6 lbs (2.5 kg)
ENVIRONMENTAL CONDITIONS	
Operating Temperature	0° to 45° C (32° to 113° F)
Storage Temperature	-20° to 70° C (-4° to 158° F)
Humidity	Maximum 90% relative, non-condensing