



High Quality and compact DVB-S, DVB-DSNG, DVB-S2 & DVB-S2X OEM satellite Modulator for a straightforward integration into your product design

VYP is a compact OEM satellite modulator designed for any product integrations which require satellite transmissions compliant to DVB-S, DVB-DSNG, DVB-S2 and DVB-S2X standards. It naturally comes with L band and IF interface as well as ASI & IP interfaces inside a robust box for a straightforward integration in any environment.

DVB-S, DVB-DSNG, DVB-S2 & S2X Including VL-SNR

VYP performs high quality modulation compliant to DVB-S, DVB-DSNG, DVB-S2 and DVB-S2X standards for constellations from BPSK to 256 APSK.

All-In-One Module

A compact module with L-Band / IF output and ASI / IP inputs to match any integration. VYP is also able to drive a BUC thanks to its high stability 10 Mhz reference.

Crystal Spectrum

VYP RF output quality constitutes a best-in-class performance, providing high SNR value, excellent shoulder levels and very low phase noise to improve your capacity.

Easy to integrate

VYP can be quickly integrated via its SNMP or RS232 controls and its standard Input / Output interfaces. It also embeds a HTML5 GUI.

Applications

- Product integration:
 - Video Contribution
 - DSNG Encoder
 - LOS & N-LOS transmission
 - Mobile Communication

Other benefits

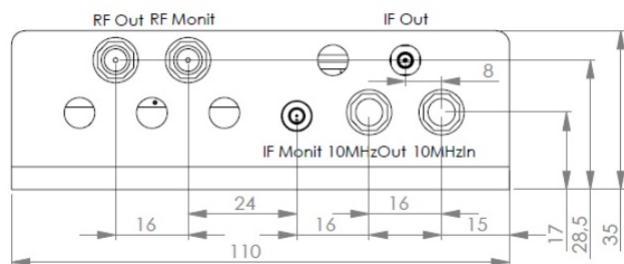
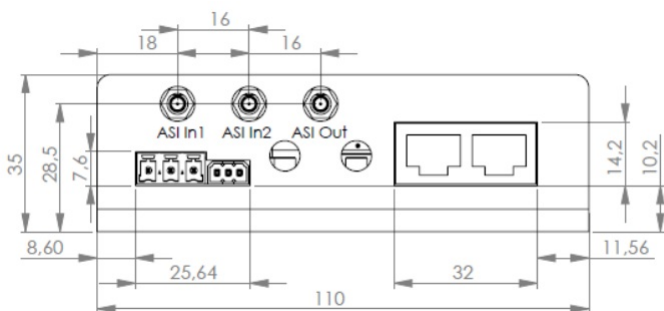
- Quick & Easy Integration
- Compact & Robust
- Reduce your time to market
- High Performances

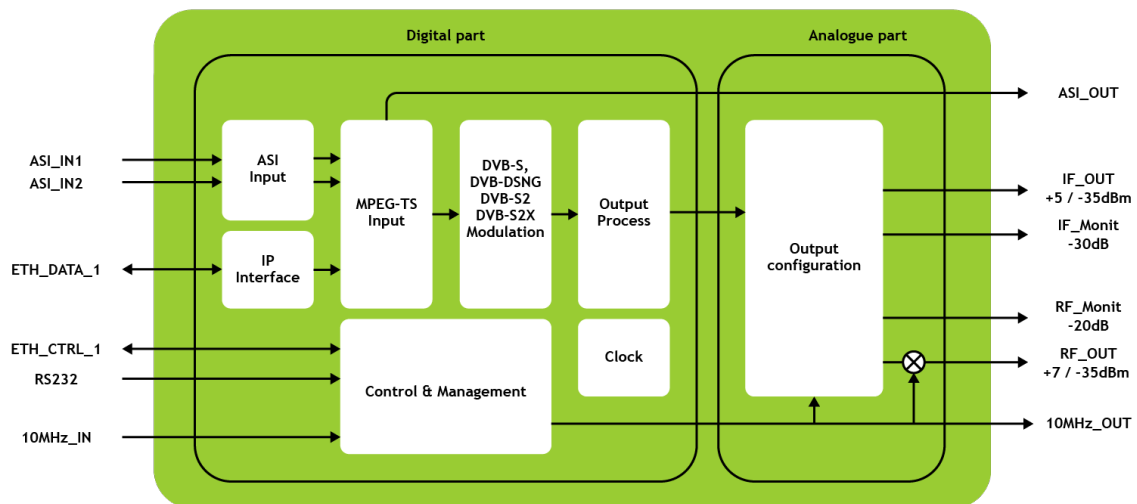
VYP

OEM Satellite Modulator

Technical specifications

DATA I/O	
Ethernet Port 2 Ethernet ports 1 GigE - RJ45	ASI Interface 2 ASI Inputs - BNC - 75 Ω 1 ASI Output - BNC - 75 Ω
PROCESS	
Input Formats - DVB MPEG-TS over ASI: EN50083-9, ETSI TR 101 891 - DVB MPEG-TS over IP: ETSI TR 102 034 - MPEG-2 PSI Tables (PAT and PMT): EN 300 468 DVB-S₂ -DSNG, -S2, -S2X Modulation - BCH / LDPC (all code rates) - Constellations: BPSK, QPSK, 8PSK, 16APSK to 256APSK - Operating modes: CCM, VCM & ACM - Frame length: Short & Normal Multistream - Up to 4 Streams (ISI) - Independent MODCOD per stream DVB Carrier ID - Compliant to ETSI TS 103 129 Standard	Input Features - Bit rate adaptation modes • Null Packets/Padding/Advance Padding - Input Redundancy • Physical layer / TS Synchro / Network Jitter Carrier - Symbol rate: 0.05 to 80 MSymbol/s - Standard and custom roll-off from 5 to 35 % - PL Scrambling codes - Pilots insertion Scrambling - BISS Version 1 Mode 0/1/E - BISS Version 2 Mode 0/1/E/CA
RF OUTPUTS	
L-Band Main Output - L Band 950 MHz to 2150 MHz - +7 dBm to -35 dBm / N 50 Ω - 10 MHz Reference insertion L-Band Monitoring Output - Copy of L-Band Main Output - 20 dB below / SMA 50 Ω	IF-Band Main Output - IF 50 MHz to 180 MHz - +5 dBm to -35 dBm / BNC 75 Ω IF-Band Monitoring Output - Image of IF Signal @ 1.21 GHz - -35 dBm / SMA 50 Ω
CONTROL & MANAGEMENT	
Web UI HTML5 Technology Live statistics & monitoring Serial Link SCPI over RS232 Full control & monitoring	SNMP SNMP v2 support TRAP & INFORM mechanism
PHYSICAL	
Height x Width x Depth 35 mm x 110 mm x 220 mm Power Supply 12VDC	Format - Weight OEM Module - 0.9 Kg Power Consumption 25 W





Ordering codes

xSSM-VYP0-2502

OEM VYP Module - DVB-S/DSNG/S2/S2X standards
- IF and RF output - QPSK & 8PSK - 15 MSymbol/s

Ordering options

xSSO-VYP0-16AM

16APSK constellations - Software option

xSSO-VYP0-64AM

16APSK & 32APSK & 64APSK constellations - Software option

xSSO-VYP0-72MB

Up to 72MSymbol/s - Software option

xSSO-VYP0-BISA

BISS2-0/1/E/CA Encryption - Software option

xSSO-VYP0-32AM

16APSK & 32APSK constellations - Software option

xSSO-VYP0-36MB

Up to 36MSymbol/s - Software option

xSSO-VYP0-BISE

BISS-0/1/E Encryption - Software option

xSSO-VYP0-LSNR

DVB-S2X - Very Low SNR Modes - BPSK/QPSK, Short/Norma/Medium