GSS **Smart Server**

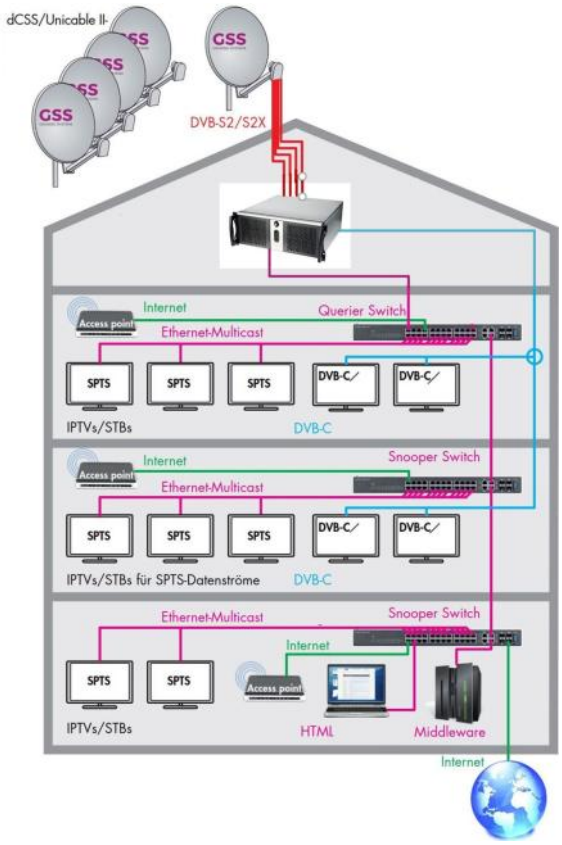
Hybrid 16S2X 4M 6CI QM

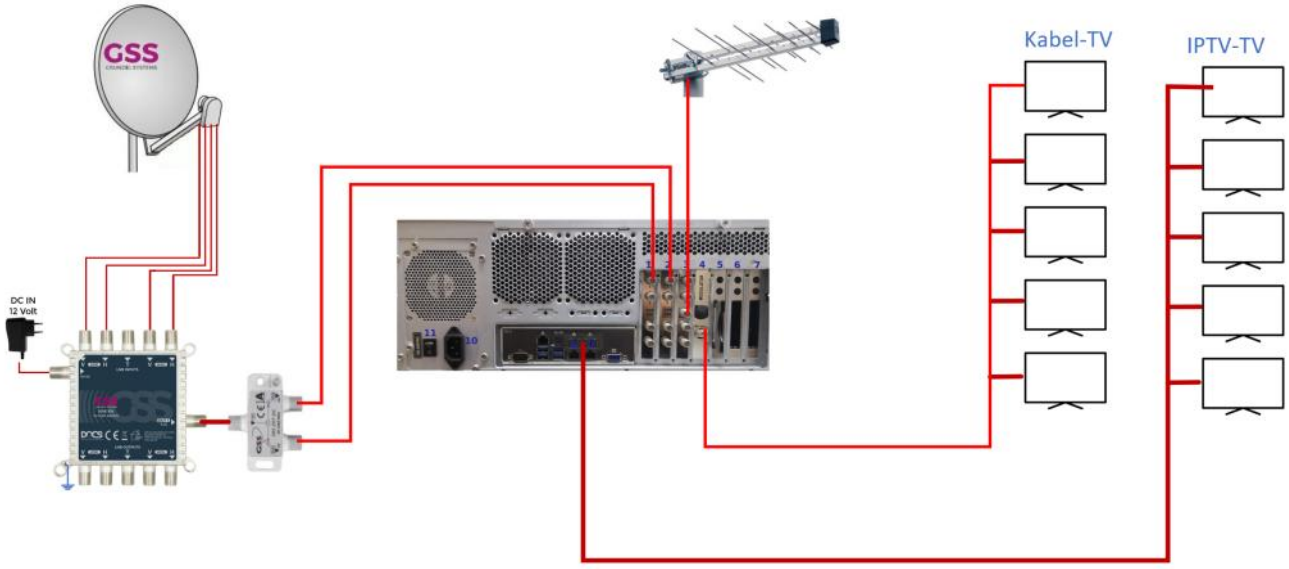
16xDVB-S2 and 4 x DVB-S/S2/C/C2/T/T2 in 160 x SPTS , 24x QAM und 24 x MPTS



Features

- 8 SAT IF inputs with integrated multiswitch
- Up to 4 satellites with each 4 levels...
  ... in conjunction with specially programmed multi-switches
- 16 DVB-S2X tuners with 16/32/64/128/256APSK support
  – SAT input selectable
- 4 x DVB-S/S2/C/C2/T/T2 Tuner
- 24 x MPTS out (max data rate <800 Mbit/s)
- Up to 160 services can be converted into IP SPTS transport streams.
  – Free adjustable IP addresses.
  – EPG; can be switched off in order to reduce data rate.
  – Session Announcement Protocol (SAP) is supported.
  – Service list for DRIP1000; Panasonic, Loewe, Philips, VESTEL BEWATEC TVs and Amino H200
- HTML User interface
- World wide access via OpenVPN… ... by PC, tablet with Internet access.
- 24 QAM Fullband modulator with 8 MHz grid
  – MER >42 dB
  – Output level is adjustable
  – Symbol rate and modulation individually adjustable
- 10 Media player
  – 10 Stream´s in endless loop as IP SPTS – transport streams
- 10 Webplayer (HLS) (option) as IP transport streams and QAM out
  – 10 Stream´s from Internet (option)
- 6 CI Slots for 6 independent Conditional Access Module Multiplex of SAT input, media player and web player programs to QAM and/or MPTS output signal
- Multiplex of SAT input, media player and web player(option) programs to QAM and/or MPTS output signal





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Technical data:

The devices meet the EU directives 2011/65/EU, 2014/30/EU and 2014/35/EU.

The product fulfils the guidelines and standards for CE labelling.

Unless otherwise noted all values are specified as "typical".

RF input DVB-S2

Frequency range:..... 950 ... 2150 MHz
DVB-S modes:..... .....QPSK 1/2 , 2/3 , 3/4 , 5/6 , 7/8
DVB-S2-modes: .....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
Symbol rate DVB-S: .....QPSK: 1 ... 45 MSymb/s
Symbol rate DVB-S2:..... QPSK: 4,5 ... 45 MSymb/s
8PSK: 4,5 ... 45 MSymb/s
16APSK: 4,5 ... 39 MSymb/s
32APSK: 4,5 ... 32 MSymb/s
Maximum data rate/tuner .....83 MBit/s
Level range: .....60 dBµV ... 80 dBµV
Input impedance:..... 75 Ω
LNC supply: .....14V/18V; max. 400 mA

HF-Eingang DVB-S/S2/C/C2/T/T2 vom Tunermodul M M4

DVB-S2 QPSK/8PSK max 46 MSym max 120 MBit/s Level.....60 dBµV ... 80 dBµV

DVB-T/T2 NormVersionen: 1.1.1, 1.2.1 und 1.3.1 Level.....60 dBµV ... 80 dBµV

DVB-C/C2 Norm EN 300 429 Level.....60 dBµV ... 80 dBµV

RF output QAM 24 Channels

Frequency range 8 MHz Grid ..... 114MHz ... 868,0 MHz
Types of modulation: .....QAM 16, 32, 64, 128, 256
Output level: .....80...96 dBµV
Dynamic phase error: ..... < 0,2°
MER: .....> 42 dB
Symbol rate: ..... 1000...7100 kSym
Output impedance :..... 75 Ω

Multiplex (Webplayer is a option)

Multiple programs from SAT tuner, IPTV, Mediaplayer and Webplayer to.....QAM - Output signal

Connections

SAT inputs : .....8 F-Buchsen
RF output: ..... 1 F-Buchse
LAN 1000-BASE-T: 2 RJ45-Buchse

USB.....4 x USB 3-1 (5Gbps) port

CI Slots.....8 (several channels can be descrambled)

IPTV-Outputs

SPTS 160

MPTS.....24
IGMP V2
Protokolle: .....UDP (User Data Protocol), RTP (Real-Time Transport Protocol)

General

Supply voltage ..... 200...240 V ~, 50/60 Hz
Power consumption:..... 90W (ohne LNC-Speisung)
Ambient temperature:..... 0...+50 °C
Cooling ..... aktiv
Dimensions (W x H x D):.....19 Zoll 4 HE 484mm x 180 mm x 515 mm
Weight : ..... 15 kg

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