



24/7 hour booking
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Flevosat | Live television satcom services.

Flevosat.nl an independent satellite broadcast company from The Netherlands.

We offer high quality broadcast television, radio and IP services via satellite. Available is a very complete HD satellite KU-band carrying-van with build-in newest technology for reliable satellite transmissions, receiving and monitoring.

Our van is designed for:

- studio and live OB reports
- 2 way live stand-up's
- news feeds
- live sport productions
- current affairs
- live surgery
- medical conferences
- corporate jobs

The transmission paths of our van are fully redundant, 1 for 1, or phase combined. Power supply is guaranteed by a no break UPS system.

By using its own PTO driven generator the van is fully self-supporting. For long term jobs an external super-silent generator is available an can be towed.

The SNG van is operated by an experienced engineer and operator. The operator speaks Dutch, English and German. Operating area covers whole Europe.

Technical Specifications / On board equipment

version 1.54 Feb '18

MPEG4 HD-DSNG

Our DSNG is designed for HD-SDI and SD-SDI transmissions.

1+1 (redundant) 2+0 (dual path) or 2+1 (redundant dual path) 3+1 (redundant triple path) mode.

Final Cut Pro 10 editing tools are available. Available on request, **not** standard aboard!

Details:

Eutelsat, Intelsat, SES, Astra, NSS New Skies, Hispasat, Sirius registrations.

Station call on Eutelsat: **HOL-090**

- 4 wire/ IFB1: +31 6 57853422 KPN network
- 4 wire/ IFB2: +31 6 15558412 Vodafone network

Vehicle information:

Volkswagen Crafter. License plate/ registration number: **VK-681-J**

Length: 6.2 meter, Width: 2.3 meter, Height 3,35 meter, Weight: 3,5 tons

Tow bar for trailer, maximum tow weight 750 Kg

The vehicle is no subject to a speed limiter

Diesel engine, conforms to latest 2015 emission EURO-5 levels

Hydraulic heavy duty jacks, front and rear, auto-leveling

Mains, power and air conditioning:

Connector to grid: 32 or 16 Ampère 3 phase 5 pin male CEE-Form.

Power consumption: approximate 9 KVA or 7kW "at maximum" equally divided over 3 phases when fully operational.

Maximum distance to grid power: 90 meter with onboard cables.

No break UPS: 2 units, a total of 8 KVA divided over 2 chains.

P.T.O. main engine driven onboard generator max. load: 14,5 Kw (backup generator)

2x Dometic 3200, 2800Watt cooling per unit. Cooling and heating

Antenna:

Vertex DMK 1.5 meter, Hi Gain, 4 ports KU-band antenna, no polarity restrictions.

Manual control, no tracking. Extended KU-band TX 13.75-14.5GHz

2x 180W Stellar Ku BAND TWTA, phase combined or one for one switchable.

Output Max EIRP 70.3 dBW effective

RX 10.7-12.75GHz 43.6 dBi H & V on high and low band,

all 4 RX ports at the same time available for reception, low and high band.

Encoders: 3 (or more)

Adtec EN-81 Mpeg-2/4, HD/SD Low delay, 4:2:0_4:2:2 BISS-1/E Encryption, up to 16 audio channels, Dolby E, Dolby Digital.

Adtec EN-91 Mpeg-4, HD/SD Low delay, 4:2:0_4:2:2 BISS-1/E Encryption, up to 16 audio channels, Dolby E, Dolby Digital

Adtec MediaHub Pro Mpeg-2/4, HD/SD Low delay, 4:2:0_4:2:2 BISS-1/E Encryption, up to 8 audio, Dolby E, Dolby Digital

Multiplexer:

1 x Nevion T-VIPS CP525 ASI multiplexer/re-multiplexer. 4 ASI inputs, 2 ASI outputs.

Modulators: 3

DVB-S, DVB-S2, QPSK or 8PSK Modulation

20% ,25% & 35% roll-off, IF=70 Mhz

RF-Upconverters:

3x Miteq U-9696 upconverters 70 MHz-> 13.75-14.5GHz (extended KU)

Downlink – Demods/Decoders/IRD's:

Tandberg RX-8200, 8 bit HD1080i, Mpeg 2/Mpeg 4(H264) 4.2.0/4.2.2 Rass & BISS1/E
Adtec RD-71, 10 bit HD1080i & 1080p, Mpeg 2/Mpeg 4(H264) 4.2.0/4.2.2 BISS1/E
1x Ericsson RX1290, 8 bit HD1080i, Mpeg 2/Mpeg 4(H264) Mpeg 2/H264 4.2.0, BISS1/E.
1x Off-sat DVB & DVB-S2 MPEG-2/MPEG-4 HD Receiver. 1 x Off-air DVB-T SD receiver.

Measurement:

Spectrum analyzer 3 GHz.
Tektronix WVR 7100 Waveform Rasterizer SD/HD DDE (Dolby-E monitoring)
Wohler E MON-1 HD SDI 8 Channel, Dolby E, Dolby Digital & PCM Audio Monitor

Baseband/ Comms:

Prospect Electronics K6R IFB Talkback unit 4 IFB's.
Prospect intercom mixer C6LXT.
1x Prospect 2/4 wire desktop box C5X
2x BURY Cell-phone hybrid (4 wire/reporter IFB)
2x CTP in-ear beltpack amplifier.
Riedel RiFace TV Dual transmitter/ receiver. (Licensed for use in the Netherlands)
2x Wireless receiver for in-ear use.
1x Prodys Prononet ISDN/Tcp-IP Codec (PCM, G711/G722, MPEG L2, OPUS, APTX and AAC compression)
Connectivity possible via ISDN, IP by cable (preferable) or on-board WIFI/MIFI 3g/4g.
HQ 2 channel intercom/ coms/ reporter sound by using this codec unit.
(at 3g/4g, wireless availability depending on Qos of the mobile telephone network)

Vision:

32 x 32 AJA HD-SDI Vision Router.
2x AXON HD/SD down converter and/or audio de-embedder 4ch
1x AXON HD/SD Audio embedder 8 channels
2x HD LCD monitors divided in 4 screens, every path can monitor 8 embedded audio channels.

Audio:

2x analogue RTW stereo audio meters + phase control function
Control monitors: Genelec
Analog audio distribution: AXON
Audio mixer: Yamaha DM-1000 with meter bridge

Playback/Record:

Sony PDW-1500 Mpeg-4 HD XD-cam 4:2:0/4:2:2 Recorder/player
Sony PDW-70MD Mpeg-2 HD XD-cam 4:2:0 Recorder/player

Cables:

3x 80 meter HD-SDI cables on drum
2x 150 meter SMPTE cable, single mode 2 fiber carriers, on drums
1 set Dual Channel 3G/SDI, HD/SDI Fiber Optic Link bi-directional (2x Tx, 1x Rx)
1x 2 pairs audio microphone cable 100 Meter on drum
1x 50 meter Shuco 220V/16 Amp's cable on drum
1x Converter/ splitter, 63 Ampère 3 phase 5 pin male CEE-Form -> 2x 32 Ampère 3 phase 5 pin female CEE-Form
Various Audio, Video, Network and L-band cables.

Optional - Dolby Surround audio Broadcasting, or for rent:

Dolby (AC-3) Digital Multichannel Audio Encoder DP569
Dolby (AC-3) Digital Multichannel Audio Decoder DP562
Dolby (E) Digital Multichannel Audio Decoder DP572

* all specifications are subject to change !!!