



24/7 hour booking
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Flevosat | Television satcom services.

Offering high quality broadcast television, radio and IP services via satellite.

Available is a very complete EBU/Eurovision compliant HD KU-band satellite van. With build-in newest technology for reliable satellite transmissions.

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

The transmission and reception paths are fully redundant. They can be used 1 for 1 or phase combined. Power supply is guaranteed by a redundant no break UPS system. In case of power outage from shore power, the main engine PTO driven generator can supply backup power.

An external super-silent generator is available, will be towed. (available on request).

The SNG van will be operated by experienced engineers/operators. They speak Dutch, English and German.

Operating area: the Netherlands, Europe and beyond.

- Fly-away up/downlink available, ask for more information.

Technical Specifications / On board equipment

1 March '22

MPEG-4 HD-SNG | EBU (Eurovision) compliant

Prepared for 1+1 (redundant) 2+0 (dual path) or 2+1 (redundant dual path)

Details:

Eutelsat, Intelsat/Thor/10-02, SES/Astra/NSS/New-Skies/Sirius and Hispasat registrations.
Station ID Eutelsat: **HOL-090** | Station ID SES: **HOL-048**

- 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 1500 Kg, Hydraulic heavy duty jacks, front and rear, auto-leveling. The vehicle is no subject to a speed limiter. Rear axle with air suspension and level control. Diesel engine, conforms to latest 2015 emission EURO-5

Mains, power and air conditioning:

Connection to grid: 32 Ampère 3 phase 5 pin male RED CEE-Form.
Load +/- 8 KVA * "without charging the UPS batteries".
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 high gain DMK 1.5 meter, 4 ports linear KU-band antenna.
Manual control, no automatic tracking.
2x 180W Stellar Ku BAND TWTA Extended KU-band TX 13.75-14.5GHz, 1-1 or phase combined
Output **EIRP 70.3 dBW**
RX 10.7-12.75GHz 43.6 dBi H & V high and low band.
All 4 RX ports available for reception at the same time, no switching needed.

Encoders: 3 (or more)

Adtec EN-91 Mpeg-4, HD/SD Very Low/Low/normal delay, 4:2:0_4:2:2 BISS-1/E Encryption up to 8 audio channels, Dolby E, Dolby Digital.

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

Adtec EN-100 Mpeg-4, HD/SD Low/normal delay, 4:2:0_4:2:2 BISS-1/E Encryption up to 16 audio channels, Dolby E, Dolby Digital | 1080i & 1080p

Decoders – Demods/IRD's: 4 (or more)

Mediakind RX-8200, HD1080i & 1080p, Mpeg 2/Mpeg 4(H264) 4.2.0/4.2.2 RASS & BISS-/1/E/2/CA QPSK/8PSK

Mediakind RX-8200, HD1080i & 1080p, Mpeg 2/Mpeg 4(H264) 4.2.0/4.2.2 BISS-/1/E/2/CA | DVBS/DVBS2 - QPSK/8PSK/16APSK

Mediakind RX-8200, HD1080i & 1080p, Mpeg 2/Mpeg 4(H264) 4.2.0/4.2.2 BISS-/1/E/2/CA | DVBS/DVBS2/DVBSX - QPSK/8PSK/16APSK/32APSK

Adtec RD-71, HD1080i & 1080p, Mpeg 2/Mpeg 4(H264) 4.2.0/4.2.2 BISS-/1/E/ QPSK/8PSK/16APSK

1x Off-air/ Off-sat DVB-T & DVB-S2 MPEG-2/MPEG-4 HD Receiver.

ASI Multiplexer:

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

Modulators: 3 (or more)

2x Enensys Vyper DVB-S, DVB-S2, **DVB-S2X** | QPSK, 8PSK, 16APSK and 32APSK Modulation
0.05 to 80Mbauds + very low SNR modes | 5% -35% roll-off | IF= 50-180Mhz **BISS-1/E/2/CA**

1x Tandberg DVB-S, DVB-S2 | QPSK, 8PSK, 16APSK Modulation

RF-Upconverters: 2 (or more)

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

Measurement:

Spectrum analyzer 3 GHz Rohde und Schwarz FS300
Leitch Rasterizer SD/HD Waveform, Eye, Vector, Audio (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 HD-GSM D&R HYBRID 4 wire/reporter IFB units (Frequency response: 50 Hz up to 7 KHz)
2x CTP in-ear beltpack amplifier.
Riedel RiFace Dual transmitter/receiver 400-470MHz. (16 Licensed frequencies in the Netherlands)
3x Wireless receivers for in-ear IFB use.
1x Prodis, Prononet TCP-IP Codec V4 and Brave protocol (PCM, G711/G722, MPEG L2, OPUS, APTX and AAC) High quality, low delay, 4 wire dual mono/stereo codec unit.
(connectivity by wire or by 3g/4g, availability depending on Qos mobile telephone network)

Vision:

32 x 32 AJA 3G HD-SDI Vision Router.
2x AXON HD/SD 4ch audio de-embedder
1x AXON HD/SD 8ch audio embedder
1x AXON 2TG100 Lip-sync measurement tool & Id/test generator
2x HD LCD monitors divided in 4 screens, every path can monitor 8 embedded audio channels.
Black Magic 1-ME visionmixer. 4 video inputs, 1x DSK, 1x Keyer, 1 AUX.
Skaarhoy Air Fly visionmixer controller

Audio:

2x analogue RTW stereo audio meters + phase control function
Control monitors: Genelec
Analog audio distribution: AXON
Digital audiomixer: Yamaha DM-1000 with meter bridge with optional Yamaha 8 ch de-embedder/embedder + Audinate DANTE-MY16-AUD2 16-Channel Dante Network I/O Card
2x Sonifex AVN-AIO8R - 8 Input, 8 Output Dual Dante Interface
Various microphones: Re-50, Bayer Dynamic, Sennheiser, wireless Sony transmitter & beltpack

Playback/Record:

Sony PDW-1500 Mpeg-4 SD/HD 4:2:0/4:2:2 XD-Cam single & double density 23Gb & 50Gb disks
* Final Cut Pro 10 editing tools are available. Only available on request, **not** standard aboard!

Fibre: 2x 150 meter SMPTE 310M cable, single mode, 2 fibre carriers.

Field unit runs on battery (2 hours) or local power. 2x camera, 1x return, 4x audio two-way

Cables:

3x HD video cable 75 meter
1x single audio cable 100 meter
1x multi 4 audio microphone cable 100 Meter on drum
1x 50 meter Shuco 220V/16 Amp's cable on drum
1x cat-6 network cable 100 meter
Various Audio, Video, Network, Power and L-band cables.
1x splitter 63 Ampère 3 phase 5 pin male CEE-Form connector to 2x 32 Ampère 3 phase 5 pin female CEE-Form connectors.

* all specifications are subject to change. You cannot derive any rights from this list !!!