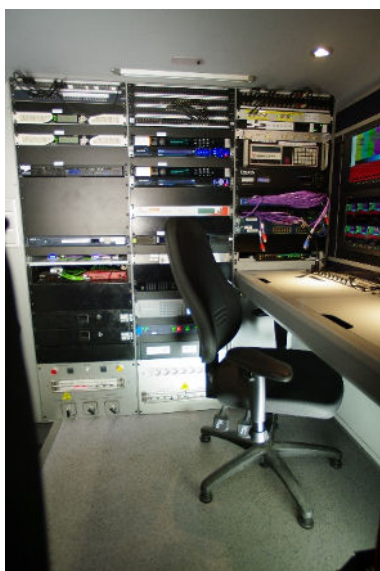


UHD Hybrid SNG F34/F563

Compact – Powerful – Flexible – Reliable

Never before has your audience been so close to your events thanks to our SNG F-34/F-563 mobile stations, specially designed and built for Ultra High Definition transmissions

UHD/HEVC-H264 Hybrid Connected SNG F34/F563



Key advantages

- Fully-redundant HD/UHD uplink truck
- « No outage » power supply system with 2 separate UPS
- Flexible video routing via a switching matrix
- Audio processing and monitoring fully compatible with analogue, AES & Dolby E signal
- Optical fiber system 12 HD video, 4 AES, 16 analog bidirectional audios for interconnection with OBVAN
- Monofeed, Bifeed or multiplexed transmission on private network
- Transmission over unmanaged IP networks (4G, KA SAT)
- Engineering and ergonomics based on more than 20 years' experience

Vehicle & Power supply

- Mercedes Sprinter – 3.5 T (5.90 x 2 x 3.10).
- Rack air conditioning system (operating area and technical racks)
- External power: 220V single phase 50Hz 6KVA with 1 isolation transformer (P17 32A CEE)
- Internal power supply provided by a generator 220 v single phase 50 Hz 7 KVA operated by the power take-off of the vehicle.
- Fully backed-up power supply with 2 separate UPS (Victron Phonix Multi Plus systems) 5000 VA

Signal Processing & Routing

- SD/HD, 3G and ASI 40x40 video switching matrix
- Up/down, down/up converter
- Standards converter
- SD, HD, AES audio and embedded signal generator

Antenna, Transmission & RF system

- Antenna diamant Era 1500 simple offset (diag : 1.5m)
- Ku Uplink frequency range: 13.75 – 14.5 GHz
- Ku Downlink frequency range: 10.7 – 12.75 GHz on both polarizations
- Rx Gain: 44 dBi (11.7 GHz)
- 2 KuSSPB amplifiers 250W
- Max operational EIRP: 67 dBW
- Satellite receiving antenna of 60 cm
- Antenna and TNT receiver
- 4G antenna
- KA SAT antenna

Encoders/Modulators &IRD

- 2 UHD/HD encoders MPEG4, HEVC 4.2.0/4.2.2, 8/10bits configurable as 2x 4 H264 encoders
- 3 SD/HD encoders MPEG2/MPEG4 4.2.0/4.2.2 8/10bits
- Possibility of Mux (8+2) signals
- 2 satellite modems DVB-S/S2/S2X – NS3/NS4
- 1 DVBS/S2/S2X modulator
- 1 protected router for IPTS transmission feed by terrestrial network
- 2 DVB-S/DVB-S2 IRD, SD/HD, MPEG2/ MPEG4, 4.2.0/4.2.2, 8/10 bits
- 1 UHD-HEVC decoder

Monitoring

- 3 x 17" SD, HD, 3G monitors
- 1 multiviewer 16 inputs SD, HD, 3G
- audio and video SD, HD signal monitoring with Dolby integrated decoder
- Analog, AES and embedded audio monitoring
- 1 ASI feed analyzer or generators
- Spectrum analyzer

Communication & Connectivity

- Comms system with with SIM card
- 4G / KaSat aggregator for Internet connectivity
- Integrated hot spot WIFI (range: 30m around the vehicle)
- VoIP Clearcom IQ system over IP network via 4G / KaSat aggregator (garanteed bitrate possible)