GLOBECAST

HD Hybrid SNG F503/F504

Compact – Powerful – Flexible – Reliable

Never before has your audience been so close to your events thanks to our SNG F-503/F-504 mobile stations, specially designed and built for Ultra High Definition transmissions
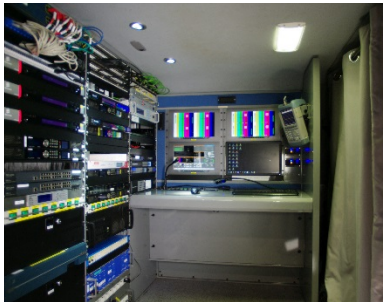
HD Hybrid SNG F503/F504

Key advantages

- Fully-redundant HD/SD uplink truck (2+1)
- "no outage" power supply system with 2 separate UPS
- Flexible audio-video routing via a switching matrix
- Audio processing and monitoring fully compatible with analogue, AES & Dolby E
- Optical fiber system 12 HD video, 4 AES, 16 analog bidirectionnal audios for interconnection with OBVAN
- Monofeed, Bifeed or multiplexed transmission on private network
- Transmission over unmanaged IP networks (4G, KA SAT)
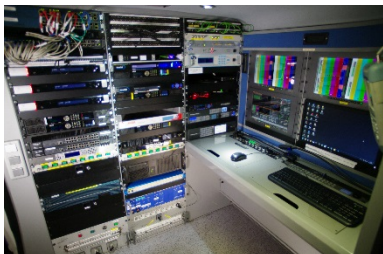- Engineering and ergonomics based on more than 20 years' experience

Vehicle & Power supply

- Volkswagen Krafter – 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)

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: 43 dBi (11.7 GHz)
- 2 Ku SSPB amplifiers 250W
- Max operational EIRP: 66 dBW
- Satellite receiving antenna of 60 cm
- Antenna and TNT receiver

Encoders/Modulators & IRD

- 7 SD/HD encoders , MPEG2/MPEG4, 4.2.0/4.2.2, 8/10bits
- 4 DVB-S/DVB-S2 IRD, SD/HD, MPEG2/MPEG4, 4.2.0/4.2.2, 8/10 bits
- 2 satellite modems DVB-S/S2/S2X – NS3/NS4
- 1 DVBS/S2/S2X modulator
- 1 DVB-S/DVB-S2/ S2-X modulator
- 2 ASI signal multifplexers
- 1 protected router for IPTS transmission feed by terrestrial network

Monitoring

- 3 x 17'' SD, HD, 3G monitors
- 2 SD, HD, 3G squad
- 1 multiviewer 16 input s SD, HD, 3G
- audio and video SD, HD signal monitoring with Dolby integrated decoder
- Analog, AES and embedded audio monitoring
- 4 ASI feed analyzer or generators
- Spectrum analyzer

Communication & Connectivity

- Comms system with SIM card
- VoIP Clearcom IQ system over IP network, 4G or public Internet