



BEL 68 - High Definition SNG Fully Redundant MPEG2 - MPEG4 HD/SD

The flagship of our SNG fleet is the **BEL68 HD SNG van**. It is especially designed to do both SD and HD transmissions. Because of its **fully redundant** design, the SNG van can easily be configured in a "1+1" redundant, "2+0" dual path or "2+1" redundant dual path mode.

The Headline BEL68 is also equipped as an Outside Broadcast unit for **multicamera** recordings. The combination of OB and transmission truck in one vehicle allows a compact structure with a unique flexibility on-site. In addition, the wireless Intercom and IFB to the van make a fast deployment on location possible. Upon request, the cameras can also be used **wireless** so that virtually no cabling is required.

Besides Outside Broadcast and redundant transmissions, this satellite van is also regularly used as a News truck. All technical equipment and cabling for live positions are available as well as editing facilities. Both Avid Mediacomposer 7.4 or Final Cut Pro are possible upon request.

Fast, reliable and multifunctional in High Definition or Standard Definition, that is what makes this van so unique.

Key Features

- Redundant transmissions
- MPEG2 - MPEG4 SD/HD encoding
- DVB-S(2) QPSK / 8PSK modulation
- News truck with wireless facilities



Technical Specifications

Bel68 - MPEG2/MPEG4 SD/HD SNG

* Option

UPLINK CHAIN

- Sat-Comm Carbon Fibre 1,6m dish with 46dBi transmit gain.
- Two Stellar E2V 400W 1:1 (13,75 Ghz to 14,50 Ghz)
- Total Maximum output: 71,3 dBW

AUDIO & INTERCOM

- Allen & Heath 14:4:2 Audio Mixer
 - 10 mic/line inputs
 - default routing of 3 VTRs
 - IFB-routing through mixer AUX.
- AES Digital Direct input
- Dolby® Pass-through
- Wohler AMP-E8MD with 8-channel Dolby® and AES monitoring
- 2 GENELEC 8020 active monitors
- Sennheiser Wireless IFB System
- Two Way ICOM Wireless Talk-Back System including 6 Mobile Units
- 2x IFB with mobile phone hybrid
- IFB with PSTN/ISDN hybrid*

CABLING

- 2 x 50m 32A 3f powercable
- 4 x 50m HDSDI
- 1 x 150m multicable (4 audio)
- 2 x 25m 16A powercables
- 1 x 200m fiber (2x HDSDI TX/RX)

ENCODING & MODULATION

- Two or more* SD/HD Ateame CM4101 Encoders
 - MPEG-2 and H.264/MPEG-4
 - 4:2:0 - 4:2:2 with 8 or 10-bit support
 - up to 8 stereo pairs, Dolby® pass-through
 - BISS encryption
- Two or more* Newtec AZ110 modulator
 - DVB-S and DVB-S2
 - QPSK, 8PSK or 16APSK
- Ericsson MX5210 4 input ASI remux*

VIDEO MONITORING

- Sony 17" HD-SDI monitor
- Miranda Kaleido Alto HD multiviewer
- Three 6,5" and two 8" monitors
- Leitch 32x32 Wideband HD/SD router
- Leitch 16x2 HD/SD Wideband Clean Switch
- Sony Anycast Production Mixer*
- Videotek TVM-900 Multiformat WFM
- Canopus SDI to DV/DV to SDI converter
- Leitch HD-SD/SD-HD cross converters
- (De-) Embedders both HD/SD SDI
- 3 x AJA FS-1 multiprocessors (format cross-conversion, scaling, ARC, signal adj.)
- 3 PAL & 6 SDI External Inputs
- 6 VTR positions

POWER AND AIR CONDITIONING

- Fisher Panda 14,4 kVA Generator
- Victron Energy 6KVA Battery system/UPS
- Two 12000 BTU Coleman Air conditioners
- Grid power possible on 32A 3F or 32A 1F
- Higher connection possible with adaptors

DOWNLINK CHAIN

- Ateame DR5000 SD/HD Receiver
 - DVB-S, DVB-S2, QPSK, 8PSK, 16APSK
 - MPEG 2, H.264 4:2:0 - 4:2:2 8 or 10 bit
- Ateame DR8400 SD/HD receiver
 - DVB-S, DVB-S2, QPSK, 8PSK
 - MPEG 2, H.264 4:2:0 - 4:2:2 8 or 10 bit
- Rhode & Schwartz FSH-3 Spectrum Analyzer
- Off-air DVB-T receiver
- Off-air DVB-S(2) MPEG2/4 receiver

PLAYOUT & RECORDING

Define one of the following types of VTRs:

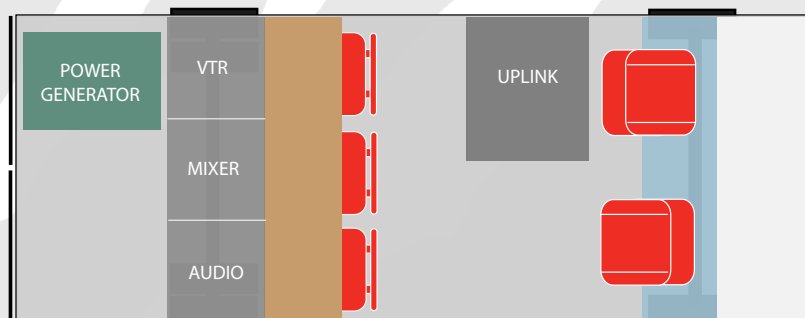
- digital Betacam Payout & Recording
- XDcam Payout & Recording
- DVcam Payout & Recording
- P2 SD/HD Payout & Recording
- HDcam Payout & Recording
- SxS Payout & Recording

LOGISTICAL INFORMATION

- Eutelsat Registration: BEL-68
- License Plate: XBI-617
- Dimensions: H: 3,3m - W: 2,5m - L: 6,9m
- Vehicle: Mercedes Sprinter 518 CDI 5T truck-driver license (limited at 90kmph)

Coordination Line: +32 (0) 478 99 44 04
IFB-1 Line: +32 (0) 478 99 44 06
IFB-2 Line: +32 (0) 478 99 44 07

LAYOUT



About Headline

Headline is an audiovisual company based in Brussels and located between the heart of the European Quarter and Brussels International Airport. We offer professional audiovisual services for TV-news : ENG crews, SNG crews, editing and post production, a complete production/research service, feed point and chromakey live studio.

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