



SIS 56-57

Dual Antenna, Dual Path Redundant, HD / SD Production Uplink

SIS LIVE's range of Dual Antenna High Definition Outside Broadcast trucks have been specifically designed to offer complete diversity and unparalleled transmission resilience.

Multi-camera production used for news, sports or live events as examples. Used regularly to provide small-scale presentation add-on to a host OB feed. Other OB transmissions for sports, live events, news, corporate clients. Live 2-way links using on-board receivers. UPS power backup provides alternative to mains or on-board generator, should loss of power source occur (this will power one transmission chain).

VIDEO

- 4x HD SDI tailboard i/p
- 4x SD SDI tailboard i/p
- 4x Composite (PAL/NTSC) tailboard i/p
- 4x SDI/Composite tailboard o/p (off-air, video returns)
- 17" JVC HD CRT monitor in vision engineering station
- 2x 16x16 digital router
- Fora HVS350 vision mixer (HD)
- VT playout/record to suit client requirements (rack space for 3x VT player/recorders)
- 2x 16" quad split or full-screen VUTRIX HD/SD LCD monitor
- 16x 3" vutrix input monitors
- 2x 9" monitors for program and preview from vision mixer
- Tektronix WVR 7100 HD/SD multi-function video signal monitor with DOLBY
- Up to 6 CCUs with dedicated vision engineering station

COMMS

- 2x Raycom RTB Base Station
- 6x portable UHF rx/tx iCOM units
- GSM cellphone TBU providing 4wire
- 2xPD 25 Paradise satellite comms modem
- 2x Paradise Vocality units
- 8-channel 4 wire system
- 20 x 20 BCD comms matrix
- 6 channel Sure dedicated comms mixer

POWER REQUIREMENTS

- 17 kVA on-board generator
- 63A single or three phase. Each uplink chain can be powered separately. One uplink chain has UPS protection
- 16A outlets as well as 3-pin 13A sockets available to power external peripherals (lights, etc.)

SPECIFICATIONS

VEHICLE

- Mercedes Atego
- Length: 8.5m
- Width: 2.5m (add 2m for access steps)
- Height: 3.8m

RF

- 2x 1.8 metre ADVENT antennas with hi (10.75 GHz l.o.) and lo (9.75 GHz l.o.) band LNBS. One dish has co-pol LNB.
- EIRP 75.5 dBW
- Tx Gain (14-14.5 GHz) 46.8dBi
- Rx Gain 44.7dBi
- 4x 400w redundant Xicom HPAs
- 4x Ericsson RX8200 receiver (BISS decryption) DVB-S, DVB-S2, QPSK/8PSK
- 4x Ericsson AVP3000 encoder, MPEG 4, DVB-S/DVB-S2, QPSK/8PSK, BISS Mode1, 4:2:2/4:2:0, HD SDI/SD SDI/ CVBS, DOLBY E.

AUDIO

- 2 x 2 channel PPM audio monitor with 1x8 input matrix
- Sondcraft BB100, 22 Channel audio mixer (8xAUX o/p, 4 subs)
- (2x stereo o/p, 2x Aux o/p, 4 x subs o/p)
- 8x analogue i/p into encoders
- 4x analogue o/p from IRDs
- 2x 16x16 analogue audio routers.
- Bel Digital MonitorA2, providing AES digital, Dolby E and PCM embedded audio monitoring