



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).

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
2x TANDBERG TT1260 receiver (BISS decryption) DVB-S, DVB-S2, QPSK/8PSK
2x TANDBERG TT 1282 / TT 1290 (at client's request) HD receiver
4x TANDBERG E5788 encoder, MPEG 2, 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

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 payout/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
3x Systembase ISDN codecs
8-channel 4 wire system
20 x 20 BCD comms matrix
11 channel Glensound dedicated comms mixer

POWER REQUIREMENTS

17 kVA on-board generator
63A single or three phase. (32A single phase as minimum.)
16A outlets as well as 3-pin 13A sockets available to power external peripherals (lights, etc)