



SIS 47 Dual Antenna, Dual Path Redundant, HD / SD 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.

Used for news, sports or live event as examples. Used regularly to provide small-scale presentation add-on to a host OB feed. Other OB transmissions for sports, live event, 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 I.o.) and lo (9.75 GHz I.o.) band LNBS.) One dish has co-pol LNB.
EIRP 72.8dBW
Tx Gain (14-14.5 GHz) 46.8dBi
Rx Gain 44.7dBi
4x 400W redundant Xicom HPAs
4x TANDBERG TT1260 receiver (BISS decryption) DVB-S, DVB-S2, QPSK/8PSK
2x TANDBERG TT 1282 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

2x 2 channel PPM audio monitor with 1x8 input matrix
16 Channel MACKIE 1604-VLZ Pro audio mixer (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 8 x 8 analogue audio routers.
Bel Digital MonitorA2, providing AES digital, Dolby E and PCM embedded audio monitoring

VIDEO

6x HD/SD SDI tailboard i/p
6x Composite (PAL/NTSC) tailboard i/p
2x SDI/Composite tailboard o/p (off-air, video returns)
2x 8 x 8 digital router
Brickhouse 8-input vision mixer (SD)
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
6x 9" vutrix input monitors
8x 4" monitors
Tektronix WVR 7100 HD/SD multi-function video signal monitor.

COMMS

2x Raycom RTB Base Station
6x portable UHF rx/tx iCOM units
GSM cellphone with 4-wire breakout
2x PD 25 Paradise satellite comms modem
2x Paradise Vocality units (up to 64k audio + 64k data)
3x Systembase ISDN codecs
8-channel 4 wire system
20 x 20 BCD comms matrix

POWER REQUIREMENTS

17kVA 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)