



NEP 56, 57

Dual Antenna, Dual Path Redundant, UHD/HD



Vehicle

Mercedes Atego
Length: 7m
Width: 3m (add 2m for access steps)
Height: 3.8m
Weight 8.6 tonnes

RF

2 x 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 72.8 dBW
Tx Gain (14-14.5 GHz) 46.8dBi
Rx Gain 44.7dBi
4 x 400w redundant Xicom HPAs
4 x Ericsson RX8200 receiver (BISS decryption)
DVB-S, DVB-S2, QPSK/8PSK
4 x 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
Soundcraft BB100, 22 Channel audio mixer (8xAUX
o/p, 4 subs)
(2x stereo o/p, 2x Aux o/p, 4 x subs o/p)
8 x analogue i/p into encoders
4 x analogue o/p from IRDs
2 x 16x16 analogue audio routers.
Bel Digital MonitorA2, providing AES digital, Dolby E
and PCM embedded audio monitoring

NEP Connect's range of dual antenna trucks have been specifically designed to offer complete diversity and unparalleled transmission resilience. Used for news, sports or live events as examples, to provide small-scale presentation add-ons to a host OB feed. OB transmissions for sports, live event, news and corporate clients. Live 2-way links using on-board receivers. UPS power backup for both transmission chains provides alternative to mains or on-board generator, should loss of power source occur.

Video

4 x HD SDI tailboard i/p
4 x SD SDI tailboard i/p
4 x Composite (PAL/NTSC) tailboard i/p
4 x SDI/Composite tailboard o/p (off-air, video returns)
17" JVC HD CRT monitor in vision engineering station
2 x 16x16 digital router
Fora HVS350 vision mixer (HD)
VT playout/record to suit client requirements (rack space for 1x VT player/recorders
2 x 16" quad split or full-screen VUTRIX HD/SD LCD monitor
16x 3" vutrix input monitors
2 x 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

2 x Raycom RTB Base Station
6 x portable UHF rx/tx iCOM units
GSM cellphone TBU providing 4wire
2 xPD 25 Paradise satellite comms modem 2 x 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. Both uplink chains have UPS protection
16A outlets as well as 3-pin 13A sockets available to power external peripherals (lights, etc.)