

## UHD/SD Production Uplink



### 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 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  
 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  
 16 Channel MACKIE 1604-VLZ Pro audio mixer  
 (2 x 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 8 x 8 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

3 x HD tailboard i/p  
 3 x SD tailboard i/p  
 3 x Composite (PAL/NTSC) tailboard i/p  
 2 x SDI/Composite tailboard o/p (off-air, video returns) 2 x 8 x 8 digital router  
 Brickhouse 8-input vision mixer (SD)  
 2 x 16" quad split or full-screen VUTRIX HD/SD LCD monitor  
 6 x 9" vutrix input monitors  
 4 x 4" monitors  
 Tektronix WVR 7100 HD/SD multi-function video signal monitor

### Comms

1 x Raycom RTB Base Station  
 6 x portable UHF rx/tx iCOM units  
 2 x PD 25 Paradise satellite comms modem 1 x Paradise Vocality units  
 (up to 64k audio + 64k data)  
 1 x Comrex  
 8-channel 4 wire system  
 20 x 20 BCD comms matrix  
 2 x I- Direct Modems

### Power Requirements

17kVA on-board generator  
 63A single or three phase. (32A single phase as minimum)  
 Each uplink chain can be powered separately  
 16A outlets as well as 3-pin 13A sockets available to power external peripherals (lights, etc)  
 Each uplink chain has UPS protection