



NEP 59, 60

UHD/SD Production Uplink



Vehicle

Mercedes Sprinter
Length: 6.8m
Width: 2.4m
Height: 3.1m
Weight 5 tonnes

RF

1.8 metre advent antennas with high (10.75 GHz l.o.) and low (10 GHz l.o.) band orthogonal LNBS. Also, one co-pol LNB (lo-band)
EIRP 75.5 dBW
Tx Gain (14-14.5 GHz) 46.8dBi
Rx Gain 44.7dBi
2 x 750W redundant Xicom HPAs
2 x Ericsson Rx 8200 HD/SD receiver (BISS decryption)
DVB-S, DVB-S2, QPSK/8PSK
3 x Ericsson AVP3000 encoder, MPEG 2, DVB-S/ DVB-S2, QPSK/8PSK, BISS Mode1, 4:2:2/4:2:0, HD SDI/SD SDI/CVBS, DOLBY E.

Comms

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

Dual path, fully redundant UHD / HD trucks, capable of small scale live productions, up to 3 cameras. 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 in case of emergency.

Audio

2 channel PPM audio monitor with 1x6 input matrix
Soundcraft BB100 10 Channel Mixer
8 x analogue i/p into encoders
8 x analogue o/p from IRDs
32 x 32 analogue and AES digital audio routers.
Bel Digital MonitorA2, providing AES digital, Dolby E and PCM embedded audio monitoring

Video

3 x HD/SD SDI tailboard i/p
3 x Composite (PAL/NTSC) tailboard i/p
4 x SDI/Composite tailboard o/p (off-air, video returns) 32 x 32 digital router
Panasonic multi format switcher
26" quad split or full-screen VUTRIX HD/SD LCD monitor
3 x 9" vutrix input monitors
8 x 4" monitors
Tektronix WVR 7120 HD/SD multi-function video signal monitor

Communications

11.5kVA on-board generator
63A single phase. (32A single phase as minimum.) 16A outlets as well as 3-pin 13A sockets available to power external peripherals (lights, etc)
UPS protection