

## UHD/HD Production Uplink



### Vehicle

Mercedes Sprinter Length: 6.8m  
Width: 2.4m  
Height: 3.1m  
Comand APS (sat nav)  
Weight 5.3 tonnes

### RF

1.8 metre DriveForce antennas with high (10.75 GHz I.o.) and low (9.75 GHz I.o.) band orthogonal LNBS.  
Also, EIRP 75.5 dBW  
Tx Gain (14-14.5 GHz) 46.8dBi  
Rx Gain 44.7dBi  
2 x 750 redundant Xicom HPAs  
2 x ERICSSON RX8200 HD/SD receiver MPEG 2, MPEG 4 (BISS decryption) DVB-S, DVB-S2, QPSK/8PSK  
3 x Ericsson AVP 3000 encoder, MPEG 2, MPEG 4 DVB-S/ DVB-S2, QPSK/8PSK, BISS Mode1, 4:2:2/4:2:0, HD SDI/SD SDI/CVBS, DOLBY E passthrough.  
2 x iDirect sat Modem

### Comms

2 x Raycom RTB Base Station  
6 x portable UHF rx/tx iCOM units  
GSM cell phone TBU providing 4wire  
2 x PD 25 Paradise satellite comms modem Vocality Voice MUX.  
1 x Comrex IP comms  
32 x 32 Clearcom eclipse Pico comms matrix 3 x 12 Button Comms panel (Uplink position, Production desk and Tailboard)  
12 button Desk panel for remote positions.  
Party line port (for customer supplied Clearcom party line system)  
4 X Ext 4 wire

Dual path, fully redundant 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-ons to a host OB feed for sports, live events, news, corporate clients. Live 2-way links using on board receivers.

### Audio

2 channel PPM audio monitor with 1x6 input matrix  
Yamaha DM1000 Mixer with 16 Ch. AES I/O Card and 1 8Ch  
AES /p Card  
4 x Dual Stereo to AES AtoD  
4 x Dual AES to Analogue DtoA  
4 x AES Embedder  
4 x AES De Embedder  
8x embedded audio In to Coders  
4x analogue o/p from IRDs  
32 x 32 AES digital audio router.  
Tailboard Monitoring unit analogue, AES and embedded audio

### Video

6 x HD/SD SDI tailboard i/p ( 2 x tie line, 2x Re-clocking and 2 x Synchroniser)  
4 x Composite (PAL/NTSC) tailboard i/p  
1 x Up/Down cross converter.  
6 x SDI/Composite tailboard o/p (off-air, video returns) 32 x 32 digital router plus 96 auxiliary OPs  
Panasonic 6 I/P HD Vision Mixer  
Blackmagic Hyperdeck  
P2 Player  
3 x 22" Monitors  
17" Low delay grading monitor.  
2 x 16 input dual head Multiviewers  
Tektronix WVR 5000 HD/SD multi-function video signal monitor  
Tailboard Monitoring Unit Analogue and HD SDI Video  
Satellite and Terrestrial OAR Monitoring unit analogue, AES and embedded audio

### Power

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 Backup