



## **SIS 59/60 HD/SD PRODUCTION UPLINK**

Dual path, fully redundant 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.

## **SPECIFICATIONS**

### **VEHICLE**

Mercedes Sprinter  
Length: 6.8m  
Width: 2.4m  
Height: 3.1m

### **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  
2x 750 redundant Xicom HPAs  
2x TANDBERG TT1290 HD/SD receiver (BISS decryption) DVB-S, DVB-S2, QPSK/8PSK  
3x 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.

### **COMMS**

Raycom RTB Base Station  
5x portable UHF rx/tx ICOM units  
GSM cellphone TBU providing 4wire  
PD 25 Paradise satellite comms modem  
Paradise Vocality units  
2x Systembase ISDN codecs  
8-channel 4 wire system  
20 x 20 BCD comms matrix

### **AUDIO**

2 channel PPM audio monitor with 1x6 input matrix  
MACKIE 1604 VLZ 16 Channel audio mixer (stereo o/p, 2x AUX o/p, 4 subs)  
8x analogue i/p into encoders  
8x 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**

3x HD/SD SDI tailboard i/p  
3x Composite (PAL/NTSC) tailboard i/p  
4x SDI/Composite tailboard o/p (off-air, video returns)  
32 x 32 digital router  
JVC KM-H2500 HD Vision Mixer  
VT payout/record to suit client requirements (rack space for 2x VT player/recorders  
26" quad split or full-screen VUTRIX HD/SD LCD monitor  
3x 9" vutrix input monitors  
8x 4" monitors  
Tektronix WVR 7120 HD/SD multi-function video signal monitor.

### **POWER**

13.5kVA 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)