



Specifications: SD/HD Uplink Vehicle

NewSwift HD 180cm Antenna System

TX 13.75-14.5GHz 47.1dBi Gain (typ) at 14.2GHz
RX 10.7-12.75GHz G/T = 23.1dB/K (typ) at 11.2GHz

AUTO-ACQUIRE Antenna Controller
Controller Auto-Pointing software and tracking of inclined orbit satellites.

2 x 400W Ku BAND TWTA
Model STA1340-KU1AN - E2V
13.75-14.5GHz 350W (25.4dBW) min Saturated Flange Power.

DSNG Uplink Electronics Dual/Redundant Path

MPEG2 SD 4:2:0 Encoding (1.5-150Mbits)

- > 625/525 line operation. PAL/NTSC
- > 4 analogue audio channels (2 x stereo) audio inputs
- > 2 x AES digital audio inputs
- > 4 x Stereo Audio Handling if pre-embedded in SDI input
- > Fully selectable FEC rates

DVE MPEG-2 SD 4:2:2 Encoding (2 - 50Mbits)

DVE MPEG-2 HD 4:2:0 and 4:2:2 Encoding (8-80Mbits)

- > SDI-HD digital video inputs
- > 4 analogue audio channels (2 x stereo) audio inputs
- > 2 x AES digital audio inputs
- > 4 x Stereo Audio Handling if pre-embedded in SDI input
- > fully selectable FEC rates

BISS-1 / E Encryption

DVB-S 8PSK & 16QAM Modulation

DVB-S2 QPSK & 8PSK Modulation

Talkback/Comms

Paradise Datacom PD25 L Band Modem

2 x ISDN CODEC

Model: Glensound Electronics GS-1U050

Prospect Electronics K6R IFB Talkback unit
Provides eight channels of 4-wire communications.
Monitoring/interrupt of IFB on each channel.

Prospect Comms Matrix

Cellphone Comms

Cable and Radio Talkback for Camera/Presenter

We work with major broadcasters and corporate clients to supply a full range of media services from camera hire and producers to SNG trucks and digital editing.

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Specifications continued

Receiver-Decoder 1

DVB-S QPSK Demodulator (Symbol Rate to 45MSYM)
MPEG2 4:2:0 / 4:2:2 SD, BISS1/E Decryption
Auto SD/HD Detection and Satellite ID Display
SDI-SD and 2xAES or 4xAnalog Audio Outputs

MPEG-2 SD and HD Decoding
MPEG2-HD 4:2:0/4:2:2 Decoding (80Mbits) and SDI-HD output

DVB-S2 QPSK/8PSK Demod

Receiver-Decoder 2

Altea SD 4.2.0/4.2.2 decoder

Vision

8 Channel SDI Vision Mixer, with genlocked inputs for 4 Composite feeds.
Vision Router with embedded audio

SDI Waveform Monitor

2 x HD LCD monitors with built-in audio and waveform monitoring
4 way video splitter sourced via router matrix
1 JVC 9" CRT monitor

Audio

Yamaha O3D Digital sound Desk.

Analogue and SDI audio monitoring with JBL Control 1 Monitors

Playout/Record

DSR 1500 Playback (Mini DV, DV Cam, DVC Pro) Playback/record
Sony J3 (Digibeta, SX, Betacam, IMX) Playback only
2 x Feeds for additional recorders.

Multicore Cables, Audio, Video and Power

Radio Camera available (additional hire)

Lighting

Various heads, and stands.

9KVA Generator

3.5 tonne VW Crafter with a seating capacity for 3 occupants.

