

Thin Air Broadcasting

Satellite Uplink Vehicle Specifications 2022

Vehicle

- Mercedes Sprinter 412 Long Wheelbase
- This vehicle is not speed limited is exempt from London Low and Ultra Low Emission Zone charges
- Fischer Panda 12KVA fully silenced generator
- 8kW UPS power backup system
- Honda 3kW back-up generator
- Eutelsat Registration UKI-587
- Vehicle registration: V881 NRV

RF

- Swe-dish DA150 1.5m Gregorian offset. Gain 45 dBi
- 2 x 180W HPA's with phase combiner
- EIRP 70dBW
- 2 x Adtec EN100 10-bit multi-CODEC encoder - fully optioned
- 2 x Adtec EN81 multiformat HD/SD, encoders - fully optioned
- Adtec EN210 10-bit multi-CODEC encoder - fully optioned
- DVBS2 8/16/32 APSK
- BISS 1/E encryption
- Adtec RD71 multiformat HD/SD satellite receiver
- 2 x Adtec RD60 multiformat HD/SD satellite receiver
- Ericsson RX1290 HD IRD
- Registered with Eutelsat, Intelsat and SES/Astra

Vision

- 32x32 HD/3G vision matrix
- Panasonic HD vision mixer with 23in HD multi-viewer monitor
- 3 x JVC 17" HDSDI monitor with multi-viewers
- 2 x Black Magic Teranex multiformat up/down/cross converters
- Tektronix WFM 7120 with audio, Dolby E and physical analysis
- Record and Playback of P2 and SxS cards
- Playback of Sony SxS and Panasonic P2 cards
- LINK L1700 MPEG 4 HD Radio Camera kit with ultra low delay 422 encoding
- Pal monitoring matrix
- Full lighting kit with 400w HMI and 500w LED lights
- Off air monitoring Freeview HD and Freesat monitoring
- 600 metre HD fibre optic kit with 4 x HD video, 4 x analogue audio and SDI/Pal return video/audio
- 300 metres multicore video/audio cable
- 2 x IDX battery kits

Audio

- 16 channel audio mixer
- HD/SD SDI audio de-embedding
- Comprehensive audio monitoring with 16 channel embedded and Dolby E decoding
- Full sound kit with lip, hand, lapel, radio and shotgun mics

Comms

- Paradise satellite modem
- 2 x cell phones
- Glensound mobile GSM talkback unit.
- Glensound dual ISDN unit
- Glensound 4W talkback kits with headsets or earpieces
- Heavy duty headsets available
- 2 x Raycom duplex radio talkback base stations
- 11 x Motorola GP340 radios
- Comprehensive routing and monitoring

Additional

- Floor Monitors
- 400m 16 way fibre optic cable drum
- 32/16Amp power cables
- Portable signal generators and test equipment
- HD SDI re-clockers
- TVRO downlink dishes
- High gain antennas for Link radio camera kit
- 9 metre mast

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