

## Technical Specifications Multi-Link Holland SNG Van's, HOL 90 & HOL 110

### Renault Master 2.8 DTI/ 2,5DCI

Air suspension, hydraulic jacks  
Special developed air-conditioning  
Two separate working area's ( Uplink/ Editing "production")  
Much space inside, but still a compact car

### Power-Supply

Internal power supply of 4 Kva.  
Redundant switch-able with 32 Amp shore power  
Uninterruptible power supply (UPS) for 60 minutes [ Victron ]

### Antenna Dish

Four port 1.5 SMK antenna [ Vertex ]  
Transmit and receive on Horizontal and Vertical at the same time possible.  
Max EIRP 70,5 dBW

### Uplink

Fully redundant multi carrier  
Two 180 Watt High power amplifiers mounted in dish [ Marconi ]  
Phase combined and separately switchable  
Up-converters KU-Band [ Miteq ]  
Two MPEG2 encoders (4.2.0 / 4.2.2) Biss or Ras encryption [ Tandberg ]  
Two modulators QPSK/ 8PSK/ 16QAM [ Tandberg/ Comstream ]  
Two Mpeg2 decoders (4.2.0 / 4.2.2) [ Tandberg/ Scopus ]  
Spectrum analyzer [ Marconi ]  
Rtw audio level meter [ RTW ]  
Audio monitoring unit [ Wohler ]

### Video

Fully digital infrastructure.  
Router 16 x 16 video [ Quartz ]  
Several a/d – d/a converters, some with build in synchronizer [ Axon ]  
Digital monitoring, quad screen. [ Barco, Digital-View ]  
Callisto digital vision mixer, 8 inputs with Dsk [ Brickhousevideo ]  
One Triax camera control unit with monocontrol. [ BTS ]

### Camera

One Triax LDK9p [ BTS ]  
Tripod [ Sachtler ]  
Camera picture, Intercom, IFB in-ear, Off-air video return and 2 microphone  
inputs are available by using this camera, all over just one triax cable ( ideal for stand-up jobs)

### A variety of Lenses

Lens: 18 x 6.2    Lens: 14 x 6.6    Wide angle:    8 x 4.4 [ Canon ]

### Audio

16 x 16 analog stereo router [ Quartz ]  
Audio mixer 14 x 4 x 2 [ Allen & Heath ]  
Limiter compressor 2 channels [ Drawmer ]  
Two Loudspeakers & two stereo headphones  
Rtw audio level meter [ RTW ]  
Microphone's: Bayer Sm 158, Sennheiser Profipower, Closetalk microphone

### Edit

Three Betacam SP/ SX / Digi / DV players or recorders  
Edit controller, Sony RM 450 or Sony 910

### Intercom

4 x four wire with IFB + 4 x four wire [ Prospect ]  
8 channel intercom mixer [ Prospect ]  
Two gsm telephones with intercom interface  
Ifb in-ear, in-ear belt amplifier

### Cables

Triax, Various Video and audio (multi)cables (socapex)

### Licences

Eutelsat, France Telecom, Intelsat, New Skies(NSSS), PanAMSAT, and other satellite providers.