



# TVN-UE2UHD

MOBILE PRODUCTION



Video Technology

#### POWER CONNECTION

- 125 Amp/CEE, set-up truck 63 Amp/CEE
- 2 independent UPS units for the OB van:
  - › Power supply by internal diesel driven generator
  - › Uninterrupted broadcasting during power failure with 2 separate channels

#### CAMERAS

- Sony HDC-4300 (14x, UHD licenses)
- Sony HDC-2400 (6x, 3G licenses)
- Sony HDC-P1 (2x)
- Ikegami 3G mini camera heads

#### OPTICS

- Canon lenses from hyper wide-angle to 100 times HD and UHD telezoom with autofocus and stabilizer function

#### SUPPORTS

- Vinten and Sachtler support systems and hydraulic studio stands, various types and sizes

#### VIDEO MIXERS

- Sony XVS-8000 UHD digital production switcher, 10 levels, with integrated 4 channels DVE, 2 channels color correction, RAM recorder/player, fully 3D & UHD compliant
- Control panel 1: 4 levels
- Control panel 2: 2.5 levels
- Control panel 3: rehearsal panel in additional director room in the equipment truck, 2.5 levels

#### ROUTING

- nVision SD/HD/3G video routing switcher with 576 out / 300 in; integrated audio routing switcher for internal embedding / deembedding
- Lawo audio routing switcher with 5000 in / 5000 out
- More than 40x framestores
- Virtual Studio Manager (2x independent server)

#### EDITING, VTR AND HD SYSTEMS

- Basic configuration (expansion as required):
  - › Sony PWS-4500 harddisk recorder
  - › Final Cut Pro editing station with up to 9x interconnected EVS XT3-HDD harddisk systems
  - › Sony HDCam SR SRW-5500 (2x)
  - › Sony XDCam PDW-1500 (2x)
  - › Sony XDCam XDS-PD1000 (2x)
  - › DVD Recorders (6x)
  - › USB recording (7 devices simultaneously)

#### VIDEOPROCESSING

- Lynx premium-quality up, down & cross converters
- Miranda & Axon multiviewer; SD/HD/3G compliant
- Outgoing channels: 3G, HD, SD, analog

#### MONITORING

- Video control unit 1: 2x 32" Class 1,5 LCD PGM monitors, 6x 40" LCD monitors with up to 89 previews
- Video control unit 2: 1x 24" Class 1,5 LCD PGM monitor, additional 17" LCD monitors with 46 previews
- All monitors can be fed individually via router, number of previews variable via multiviewer
- UHD / HDR monitoring
- Standard set-monitoring: HD (optionally SD or FBAS)

#### SAT AND HF RECEIVER SYSTEMS

- HD SAT receiver equipment (analog and digital)
- HF / BK receiver systems, HD DVB-T/C/S receivers
- HD / UHD return signals



### MIXING CONSOLES AND ROUTING SWITCHERS

- Lawo interconnected router/console system consisting of:
  - › HD Core with full DSP performance
  - › Sound control unit: Lawo mc<sup>2</sup>66 with 64 controllers on one level
  - › VTR/video control unit 2: Yamaha CL 3 via Madi
  - › External sound control unit, equipment truck: according to customer request
  - › Lawo I/O internal/external frames
  - › Dallis via LWL
  - › Redundant sound control unit: Lawo zirkon 4

### COMMUNICATION

- Riedel Artist 192 digital intercom system
- 1000 series intercom panels internal/external with LCD buttons/level control
- Connection of the mobile panels via Riedel MediorNet
- Commentator/interpreter expansions Zähl CSX 11, CCP 1116
- Riedel radio, transmittable via optical fibre
- Motorola walkie-talkies
- Telos ONE+ONE telephone hybrids
- Mayah Centauri 3001 II ISDN Codec

### MICROPHONES

- Sennheiser EM 3732 16-channel microport systems
- Sennheiser EK 3041 mini receivers
- Sennheiser SKM 5200 handheld transmitters; including Neumann microphone capsules
- Sennheiser SK 5212/SK 50 pocket transmitters
- Sennheiser MKE 102, MKE 104 clip-on microphones, MKE Platinum MKE 1 and MKE 2 for SK
- Sennheiser SR 2050 in-ear transmitters
- Sennheiser EK 2000 in-ear receivers
- Sennheiser MKH 60/70 short gun microphones with basket windshield

### EFFECTS, EDITING AND POSTPRODUCTION SYSTEMS

- clip-on, headset, instrumental, vocal, boundary and stereo microphones
- Lexicon, TC Fireworx effects systems
- Teatro edit system

### LOUDSPEAKERS

- Neumann KH 120, M51 monitors

### DOLBY SYSTEMS

- DP 570 Dolby multi channel audiotool
- DP 571 Dolby Encoder
- Minetonga Dolby E decoder plug-in
- Axon DBD08 Dolby decoder
- AC3 Decoder

### RECORDING AND PLAYBACK

- CD players, MD recorders, CD/DVD audio recorders, DAT TC recorders, USB recording
- Tascam and Fostex
- Nuendo multi-track recording system

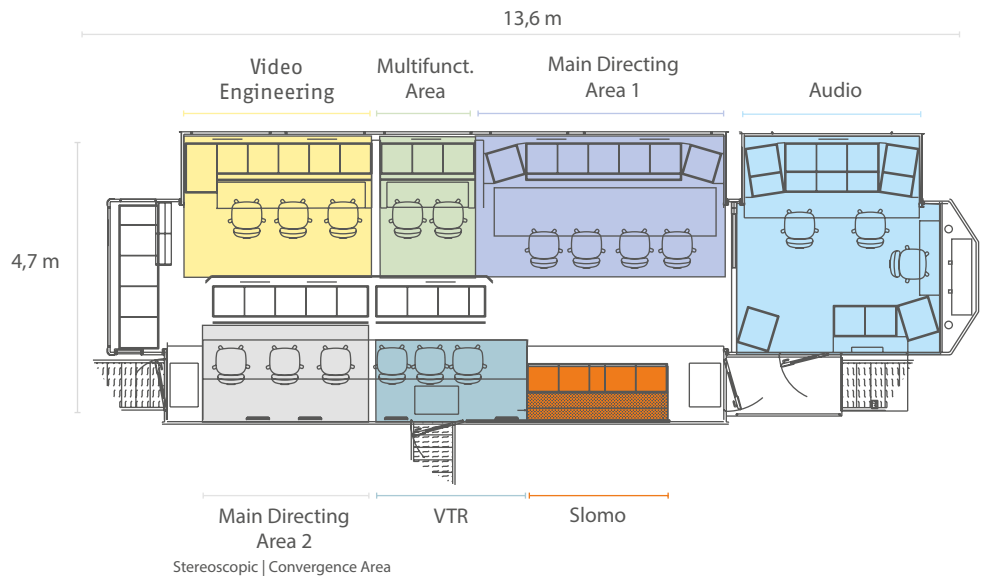
### TELEPHONE SYSTEM

- Auerswald Commander



Audio Technology





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**SPECIALS**

- Independent hybrid processing of UHD and HD: broadcasting security and constant quality of all provided signals
- Unique HDR / SDR workflow based on Sony XVS-8000 Video Switcher and HDRC-4000 HDR Converter
- Set and external connection via optical fibre, including Riedel MediorNet: SD/HD/3G/ASI signals, intercom units, audio (AES, analog & embedded) over considerable distances
- Network up to 1Gbit bandwidth
- Data control for special cameras or external edit stations via RS 232/422
- Extension units on both sides: Approximately 70m<sup>2</sup> interior space
- 26 multifunctionally preconfigured workplaces – freely adaptable as to operators and technique
- More than 24 cameras, operation with equipment truck: simulcast, 3 main feeds in 3 direction areas
- NTP- and GPS-synchronized timecode generator