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## OBVAN 01 DATASHEET

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# OBVAN 01

## 4K production with maximum use of space

We have created in the OBVAN 01 newest technology concept with the emphasis on making the best use of available space and the widest possibility of using for sports and cultural events, conferences, TV shows and other live events.

- multifunctional and most recent technology
- maximum flexibility
- latest generation Panasonic 4K Broadcast cameras with large ViewFinder
- hybrid camera cables with Lemo connectors
- 4K/3G/HD/SD multiformat production systém
- 2 M/E switcher control panel
- digital audio mixer with external stageboxes
- fully backup technology
- IP streaming with error correction patented technology
- replay server
- CG server with web control and external data source provider

VEHICLE DATA	OB UNIT	SUPPORT TRAILER
Dimensions (L x W x H)	7,50 x 2,10 x 2,85m	4,50 x 1,80 x 2,45m
Space for production	8,50 x 3,80 x 2,85m	5,10 x 1,80 x 2,45m
Total weight	3.500 kg	2.000 kg
Power requirements	420V 32A CEE 5pin (up to 100m)	230V 10A CEE 3pin
License Plate	3SD2085	5AI9852

Complete Equipment buffered by two UPS units at full load about 15 minutes useable (without Air conditioner).

## CAMERA SYSTEMS

- 6x AK-UC3000 Panasonic 4K PROFESSIONAL Studio Camera
  - 6x AK-UCU500 Camera Control Unit
  - 6x AK-HRP1000 Remote Operation Panel
  - 6x AK-HVF100 Large 10" LCD Color Viewfinder
  - 2x AJ-HVF21KG 2" B&W Electronic Viewfinder
  - 4x XA20x8.5BERM Fujinon lens with extender
  - 4x EPD-21A + FSP-13G digital servo focus remote system
  - 4x SRD-92B remote zoom demand with speed adjustment
  - 2x ZA12x4.5BRD Fujinon Wide-Angle lens
  - 2x ERD-20A remote zoom demand with speed adjustment
  - 2x EPD-21A digital servo focus remote
- 6x Libec 850 Two Hand Tripod System with floor or mid-level spreader
- 1x AJ-PX270 Panasonic HD Wireless camera system
- 1x AW-HE50 Panasonic PAN-TILT HD camera
- Up to 12x 250m Hybrid Camera Cable SMPTE 311 with Lemo connectors
- Optional Fujinon XA77x9.5 telephoto field lens with Optical Stabilization

## VISION CONTROL AREA

- 2x Smart Videohub 12G 40x40
- 3x Teranex Express Cross Video Converter
- 1x SmartView 4K/UHD 12G Color Monitor
- 3x SmartScope Duo 4K/UHD dual LCD monitor with measurement
- 1x 4K/UHD MultiView 16 channels
- 4W intercom system + 2x wireless IFB
- 4x Motorola DP1400 Digital Professional Portable Two Way Radio, 2x VOIP Telephone Line

## PRODUCTION AREA

- 1x 4K/3G/HD Multiformat 2 M/E Main Switcher Atem Broadcast Studio 4K
  - 20x 10-bit HD/Ultra HD 4K switchable Input
  - 3x 10-bit HD/Ultra HD 4K switchable Output
  - 6x 10-bit HD/Ultra HD 4K switchable AUX Output
  - 1x 10-bit (From Ultra HD 4K to HD) Down Converted SDI Program Output
  - SDI Rates 1.5G, 3G, 6G, 12G
  - 2x XLR, 2x RCA Audio Inputs, 2x XLR Program, 2x XLR Monitor Audio Outputs
  - 1x XLR Timecode IN, 1 x XLR Timecode OUT
  - Tri-Sync or Black Burst Reference Input
  - Automatic Re-sync on all 20 Inputs
  - 2x Multiview 10 Channels
  - HD Format Support: 720p50, 1080p25, 1080p50, 1080i50
  - Ultra HD Format Support: 2160p25, 2160p50
  - Video Sampling: 4:2:2, Color Space: REC 601, REC 709, REC 2020
  - 4x Upstream, 2x Downstream, 4x Chroma, 7x Linear/Luma Keyer
  - 1x Transition Keyer (Stinger/DVE), Total 13 Layers
  - 1x DVE with 3D Borders & Drop Shadow
  - 4x Media Player
- 1x 2 M/E Broadcast Panel
- 4x LG MU67 27" 4K/UHD Color LCD Monitor
- 2x LG 40XXX 40" 4K/UHD Color LCD Monitor for Multiview
- 2x CG server with web control and external data source provider FILL + KEY
- 4K/3G/HD/SD Multiformat 2 M/E Backup Switcher Atem Production Studio 4K
- Stereo Sound System Genelec 8010

## AUDIO AREA

- 1x Behringer X32 Digital Audio Mixer
  - 40x Input, 25-Bus Digital Mixing Console
  - 32 Programmable MIDAS Preamps
  - 25 Fully Automated Motorized 100mm Faders with Channel LCD's
  - 32x32-Channel Audio Interface with DAW remote control
  - 16 XLR outputs plus 6 additional line in/outputs
  - High-resolution 7" day-viewable Color TFT display
  - 6 matrix buses and 16 mix buses with full dynamics processing
  - Virtual FX rack featuring 8 true-stereo FX slots
  - 40-Bit floating-point DSP features with near-zero overall latency
- 1x Digital Stagebox 8IN/8OUT with AES50 for ultra-low jitter and latency
- 1x Digital Stagebox 16IN/8OUT with AES50 for ultra-low jitter and latency
- 1x KlarkTeknik optical AES50 Extension with 200m fibre cable
- 2x KlarkTeknik AES50 Repeater
- 1x SmartScope Duo 4K/UHD dual LCD monitor with audio measurement
- 1x Mac Mini with Cubase Audio System
- 1x RME Digital Audio Converter
- 2x Four channel Audio Embedder
- 2x Four channel Audio DeEmbedder
- 6x Super-cardioid shotgun NTG3 microphone with blimp and wind shield
- 2x Sennheiser hand Cable/Wireless microphone
- Commentary system – 2x BD Headset, 2x Monitor Mixer, PGM Video Monitor
- Stereo Sound System Genelec 8010

## RECORDING

- 2x PGM recorder HyperDeck Studio 12G (PGM / CleanFeed)
- 4x HyperDeck Studio 12G
- 2x HyperDeck Studio 2
- 2x Four Channel HD Replay Server with remote control console

## STREAMING AREA

- 2x MPEG-4 AVC / MPEG-2 IP QVidium Encoder with DVB Compliant IP output
  - MPEG-4 AVC High Profile 4:2:0, 256 Kbps to 20 Mbps TS bit rates
  - MPEG-2 Video MPEG-2 4:2:0, 900 Kbps to 20 Mbps TS bit rates
  - Patented feed-back based error correction (ARQ)
  - Video transport over any IP network, including wireless and mobile
  - HD Format Support: 720p50, 1080p25, 1080p50, 1080i50
  - Support Four channel audio input Embedded on SDI signal
  - AC3 audio pass through on SDI
  - Possibility HD to SD down scale
  - DVBCSA Encryption
- 1x NVS-25 H.264 Streaming Video server for Live WEB CDN Streaming
  - RTP, RSTP, Flash protocol
  - H.264/AVC High Profile Level 4.0 up to 6 Mbps
  - USB Stream recording