Mobile TV Group

Length: 53' Height: 13'3" Width: 8'6" with ability to expand to: 16'6"
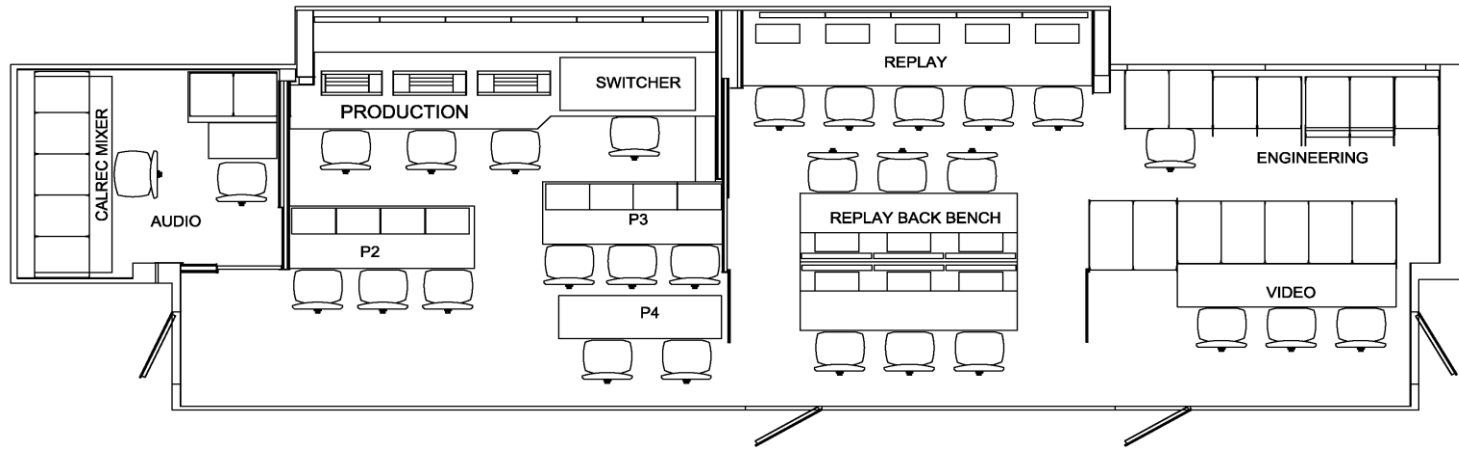
VMU-Unit B:

Length: 48' Height: 13'3" Width: 8'6" with ability to expand to: 12'6"
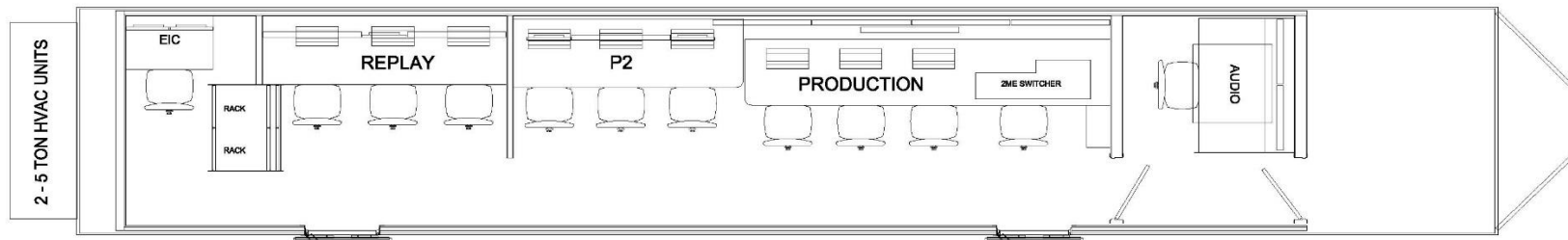
41 HDX Equipment Specifications

Production

- Grass Valley HD Kayenne K-Frame switcher
- 7 M/Es, 96 inputs/48 outputs
- Internal Image Store
- 12 iDPMs, 2D DPMs, FlexiKey, Double Take
- 32 Chroma Keyers
- 4 Stripe (M/E) control panel
- Up to 132 images in production wall

Cameras/ Lenses & Support

- 7 Grass Valley LDX82 Premier 720p/1080i fiber cameras with dual XCUs
- 4 Grass Valley LDX86 universe super slow mo HD/3G fiber cameras (Upon request. Can be used as regular live cameras)
- 11 Grass Valley 3G fiber converters (SHEDS)
- Panasonic AG-HPX370 with fiber (2 Single mode fibers per camera required)
- 3 Canon XJ95x8.6 long lenses
- Canon UJ86x9.3B long lens
- 4 Canon XJ80x8.8 long lenses
- Additional Canon XJ76x9 long lens if using VMU
- 2 Fujinon ZA22x7.6 ENG lenses
- 2 Fujinon HA18x5.5 ENG lenses
- Four 2" Color ENG VFs
- Studio Config Kit with LCD VF
- 7 Grass Valley RefleX SuperExpander Sleds with 7" OLED VFs
- 2 Additional Grass Valley RefleX SuperExpander Sleds with 7" OLED VFs if using VMU
- 7 Vinten Vector 75 heavy duty pan/tilt heads
- 2 Additional Vinten Vector 75 heavy duty pan/tilt heads if using VMU
- 7 Mathews MT1 heavy duty tripods
- 2 Additional Mathews MT1 heavy duty tripods if using VMU
- 4 Miller Arrow X7 ENG tripod/pan/tilt heads
- Marshall POV camera with RCP
- 2 SD LPS clock cameras

Replay, Spotbox and Edit Systems

- 12 channel EVS XT4Ks full editing replay server with 16 channels of embedded audio
- Three 12 channel EVS XT3 full editing replay servers with 16 channels of embedded audio
- 4 Channel EVS XS3 server for Spotbox
  - *4 SSMO, 12 HD inputs/8 HD outputs when truck is running in SSMO mode*
  - *EVS must use DNxHD codec for SSMO mode*
  - *24 HD inputs/12 HD outputs when truck is running in HD mode*
  - *Two 12 channel XT servers can be split into two operator positions each with 4 inputs/2 outputs when running in HD mode*
- Codecs supported:
  - *M-JPEG – User selectable bitrate 20-360Mbps*
  - *Avid DNxHD® (120/145Mbps)*
  - *Avid DNxHD® High Level (185/220Mbps, 8-bit and 10-bit)*
  - *VC-3 (SMPTE 2019-1; Avid-compatible) 100Mbps*
  - *Apple ProRes® 4:2:2 (120/145Mbps)*
  - *Apple ProRes® 4:2:2 HQ (185/220Mbps*
  - *Apple ProRes® 4:2:2 LT (85/102Mbps)*
  - *MPEG-2 intra – User selectable bitrate 20-360Mbps*
  - *DVCPRO HD*
  - *AVC-Intra Class 100*
  - *XAVC-Intra Class 100*
- Lance TDC-100 Disk Controller
- XFile3 with USB 3.0
- 10 Gbs and 3 Gbs SDTI network
- Up to 8 replay operator positions

Audio

- CALREC Artemis Beam Audio Mixer (64 fader) 256 routable inputs via MADI, 64 analog inputs/64 analog outputs
- RTW TM7 audio scope
- Audio Board can output 6 channels of surround sound
  - *Encoders for surround sound are the clients responsibility*
- Enco Hotshot2 audio playout system
- CD player
- 4 Audio-Technica BP4027 Stereo long shotgun mics
- 2 Audio-Technica BP4029 Stereo short shotgun mics
- 6 Sennheiser MKH 416 short shotgun mics
- 9 Sennheiser MD 46 stick mics
- 8 Sony ECM77B lavaliers
- 4 Crown PCC-160 Cardioid Microphones
- 7 Sennheiser HMD sportscaster headsets
- 6 Daltech talkback boxes
- 6 Whirlwind MD-1 Mic/Line Drivers
- 6 Sound devices MP-1 line amps
- 6 DT12 Breakout Boxes
- 14 DT12 fanouts
- 6 Fostex portable speakers
- Fiber Booth Kit (Upon request)
- Parab dishes (Upon request)

Communications

- RTS ADAM-M Matrix System
- 64 Ports of OMNEO, 64 channels of MADI, 48 analog ports, 16 ports of RVON
- 12 Channels of IFB
- 12 Channels of PL
- 12 RTS 4030 IFB beltpacks
- 18 RTS BP325 headset boxes
- 4 Telos Hx2 Digital Telephone Interfaces
- 4 RTS TIF 2000As
- 12 Line phone system
- 8 Two-Way Radios with 2 base stations

Graphics

- VizRT
- Sketch HD Telestrator with HD touchscreen

Engineering & Misc

- 396x712 Evertz 3G router
- 2,752x2,848 Evertz audio router
- Embedded audio, 18 MADI, 48 AES, 96x192 analog
- 9 Frame sync/cross converters, 10 with fiber inputs/outputs
  - *5 AJA FS-HDRs, 2 AJA FS-4s and 2 AJA FS1-Xs for a total of 30 paths*
- TSI-4000 tally system with virtual tally
- 10 AJA utility cross converters
- 2 LED Lighting Kits

Outboard Monitors

- Sixteen 16" Outboard LCD video monitors
  - *Capability to provide HD program to booth (If fiber is available)*

Cable

- 600' 10 Line video mult
  - *Two 125', Four 75', One 50'*
- 1100' TAC singlemode fiber
  - *Two 250' TAC-12, Four 150' TAC-6*
- 2675' SMPTE fiber
  - *Seven 250', Seven 100', Nine 25'*
  - *Three 5 line SMPTE mults 150'*
- 300' Triax
  - *Three 100'*
- 2300' DT12
  - *Five 250', Seven 150'*
- 125' Three phase power cable
  - *Sets of 75' and 50'*
- Additional cable available if shipped separately

Power Required

- 208 VAC, three phase, 200 amps
  - *Separate 200 amps of three phase 208 VAC may be required in high heat locations*

41 VMU Equipment Specifications

The following equipment is available to the Visitor Feed in addition to 41HDX A Unit equipment. This trailer is fully networked to the A Unit with extensive fiber connectivity. All cameras and record trains are available to both trailers.

Production

- 2 Stripe switcher control panel
- 3 M/Es assigned to visitor show
- Up to 58 images in production wall

Replay, Spotbox and Edit Systems

- XFile3 with USB 3.0
- 2 Channels of Spot Box from A Unit
- Lance TDC-100 Disk Controller
- Up to 3 EVS replay operator positions
- One position uses LSM connect (No VGA)

Audio

- CALREC Brio 36 (36 fader)
  - *24 Mic/line inputs*
  - *16 Analogue outputs*
  - *8 AES3 digital inputs, 8 AES3 digital outputs*
  - *8 GPI + 8 GPO*
  - *Loudness meters*
  - *Delay available on every path*
  - *Up to 96 legs assignable as mono, stereo, or 5.1 input channels*
  - *36 legs assignable as mono, stereo or 5.1 mains or groups*
  - *24 legs assignable as mono or stereo auxes*
  - *Up to 96 legs assignable as Insert sends and returns*
  - *Up to 96 legs assignable as Direct, or Mix-Minus Outputs*
  - *Every input channel and group path have expander/Gate/Ducker, with key input and sidechain EQ; a compressor with key input and sidechain EQ and multiband compressor*
  - *Every aux has expander/gate and compressor*
  - *Every main has a single band compressor and multiband compressor*
- Enco HotShot2 audio playout system
- 6 Sennheiser MD 46 stick mics
- 5 Sennheiser HMD sportscaster headsets
- 4 Studio Technologies talkback boxes
- Sound devices MP-1 line amp

Communications

- RTS Intercom system integrated with A Unit
- 8 Channels of IFB
- 6 RTS 4030 IFB beltpacks
- 6 RTS BP325 headset boxes
- JK Audio Innkeeper 4 line digital phone hybrid
- 2 RTS TIF 2000As from A Unit
- 2 Two-Way Radios with base station

Graphics

- VizRT (Upon request)
- For-A Telestrator with HD touchscreen (Upon request)
  - *2 ST fibers required*

Engineering & Misc

- Lighting Kit
- Panasonic AG-HPX370 fiber camera with lens and tripod (2 Single mode fibers required) (Booth)

Cable

- 900' DT12
  - *Six 150''*
- 225' Three phase power cable
  - *Set of 100', 75', and 50'*
- Additional cable available if shipped separately

Power Required

- 208 VAC, three phase, 150 amps