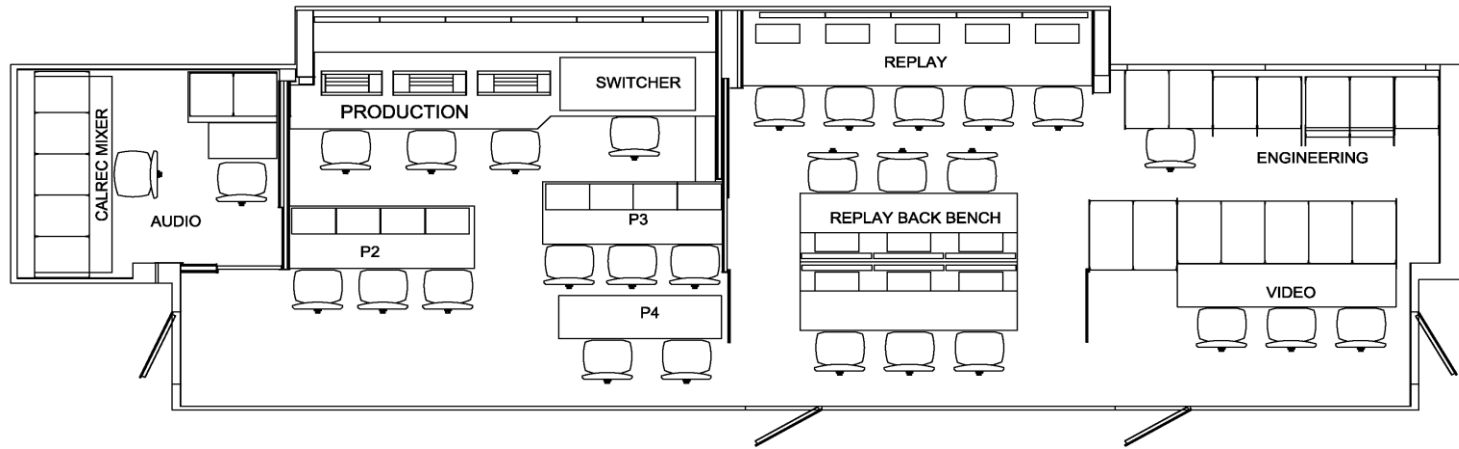


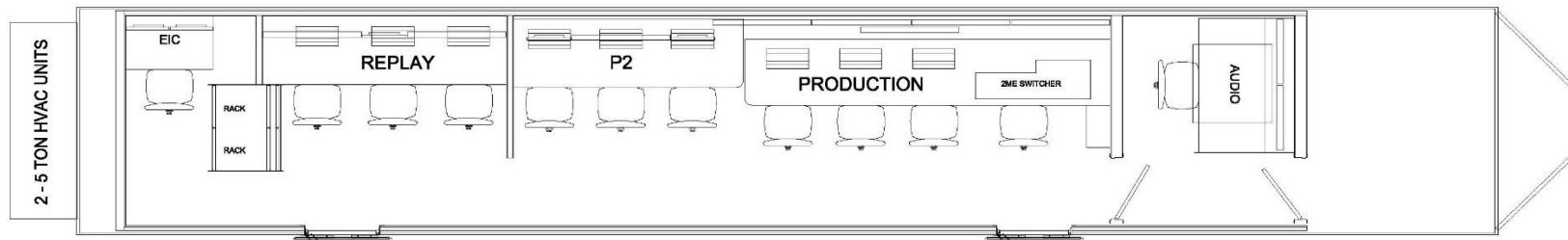
41 HDX & 41 VMU Equipment Specifications

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 XCU's
- 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

- Four 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
 - XT3 can be split into two operator positions each with 4 inputs/2 outputs when running SSMO mode
 - EVS must use DNxHD codec for SSMO mode
 - 24 HD inputs/12 HD outputs when truck is running in HD mode
 - 2 XT3s 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 SDDI 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 payout 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