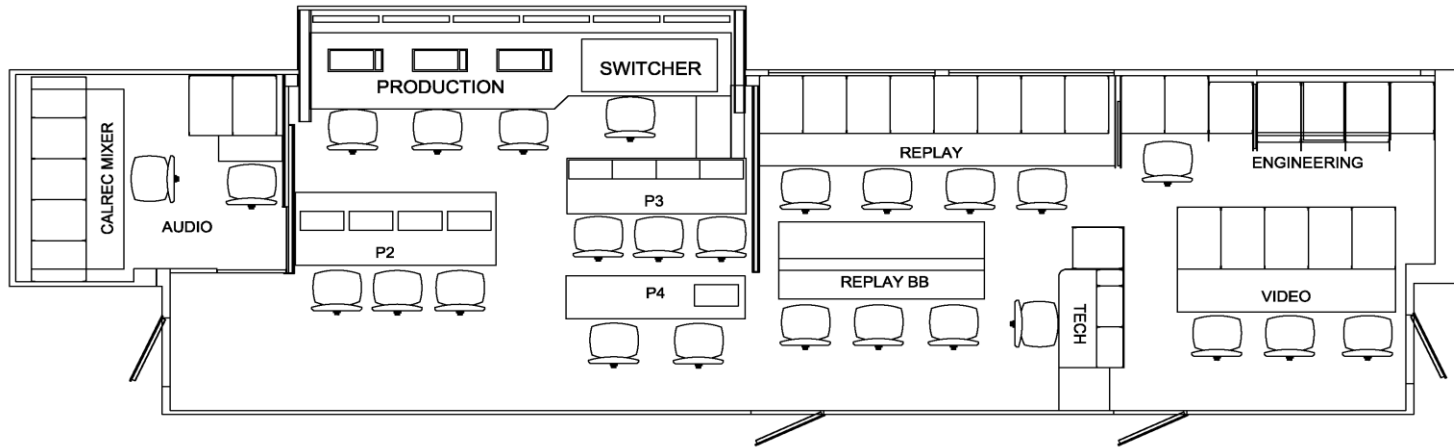


40 HDX & 40 VMU Equipment Specifications

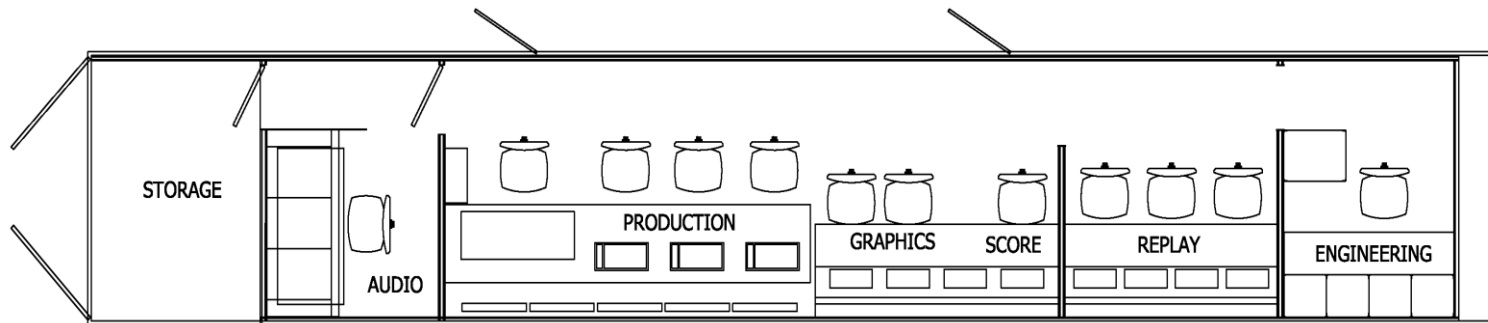
Unit A:

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



VMU-Unit B:

Length: 53' Height: 13'3" Width: 8'6"



40 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, DoubleTake
- 32 Chroma Keyers
- 4 Stripe (M/E) control panel
- Up to 132 images in production wall

Cameras/ Lenses & Support

- 7 Grass Valley LDX80 Premier 720p/1080i triax cameras
- 4 Grass Valley LDX86 universe super slow mo HD/3G fiber cameras (Upon request. Can be used as regular live cameras)
- Grass Valley Focus 75 triax camera with Fujinon XA20sx8.5 ENG lens with tripod (Booth)
- 4 Grass Valley 3G fiber converters (SHEDS)
- 2 Fujinon XA99x8.4 long lenses
- 7 Fujinon XA77x9.5 long lenses
- 2 Fujinon HA18x5.5 ENG lenses
- 2 Fujinon ZA17x7.6 ENG lenses
- Four 2" Color ENG VFs
- Studio Config Kit with LCD VF
- 9 Grass Valley RefleX SuperExpander Sleds with 7" OLED VFs
- 9 Vinten Vector 75 heavy duty pan/tilt heads
- 9 Mathews MT1 heavy duty tripods
- Manfrotto 536 ENG tripod with Libec pan/tilt head
- 4 Miller Arrow X7 ENG tripod/pan/tilt heads
- 2 SD LPS clock cameras

Replay, Spotbox and Edit Systems

- Two 12 channel EVS XT3s full editing replay servers with 16 channels of embedded audio
- Two 12 channel EVS XT4Ks full editing replay servers with 16 channels of embedded audio
 - 4 SSMO, 20 HD inputs/12 HD outputs when truck is running in SSMO mode
 - 2 XT3s can be split into 2 operator positions each with 4 inputs/2 outputs
 - EVS must use DNxHD codec for SSMO mode
 - 32 HD inputs/16 HD outputs when truck is running in HD mode
 - 2 XT4Ks can be split into 2 operator positions each with 4 inputs/2 outputs
 - 2 Positions use LSM Connect (No VGA)
 - XT4K Supports AVC, XAVC, DNxHD, and ProRes codecs
- 4 Channel EVS XS3 server for Spot Box (2 channels per show during dual feeds)
- Codecs supported:
 - AVC-Intra class 100
 - XAVC-Intra class 100
 - Avid DNxHD® (120/145Mbps)
 - Avid DNxHD® High Level (185/220Mbps, 8-bit and 10-bit)
 - Apple ProRes® 4:2:2 SQ (120/145Mbps)
 - Apple ProRes® 4:2:2 HQ (185/220Mbps)
 - Apple ProRes® 4:2:2 LT (85/102Mbps)
- Lance TDC-100 Disk Controller
- XFile3 with USB 3.0
- 10 Gbs and 3 Gbs SDTI network
- Panasonic P2 Deck AG-HPD24P
- Matrox Monarch HDX Recorder/Video Encoder
- Up to 6 replay operator positions

Audio

- CALREC Artemis Beam Audio Mixer (56 fader) 256 routable inputs via MADI, 64 analog inputs/64 analog outputs
- RTW TM7 audio scope
- Audio Board can output multiple channels of surround sound
 - Encoders for surround sound are the clients responsibility
- Enco Hotshot2 audio playout system
- Digicart II Plus with 250 Mb ZIP drive
- CD player
- 8 Sennheiser MKH 416 short shotgun mics
- 6 Sennheiser MKH 70 P48 long shotguns mics
- 11 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
- Chyron HyperX3
- For-A Telestrator with HD touchscreen

Engineering & Misc

- 378x802 Evertz 3G router
- 2,752x2,848 Evertz audio router
- Embedded audio, 18 MADI, 48 AES, 96x192 analog
- 15 Frame sync/cross converters, 10 with fiber inputs/outputs
 - 3 AJA FS-HDRs, 2 AJA FS-As, and 10 AJA FS1-Xs for a total of 30 paths
- 10 AJA Utility cross converters
- TSI-4000 tally system with virtual tally
- 2 Lighting Kits

Outboard Monitors

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

Cable

- 4100' Triax
 - Three 500', Six 250', Eight 100'
 - Two 6 line triax mults 150'
- 600' 10 Line video mult
 - Two 125', Four 75', One 50'
- 1350' TAC singlemode fiber
 - Three 250' TAC-12, Four 150' TAC-6
- 1400' SMPTE fiber
 - Four 250', Four 100'
- 2300' DT12
 - Five 250', Seven 150'
- 225' Three phase power cable
 - Set of 100', 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

40 VMU Equipment Specifications

The following equipment is available to the Visitor Feed in addition to 40HDX 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

- 3 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 Spotbox from A Unit
- Lance TDC-100 Disk Controller
- Up to 3 EVS replay operator positions

Audio

- STUDER Vista 1 (32 fader)
- 50 Mono channels, 38 stereo channels
- 16 Mono aux, 4 stereo aux
- 10 Stereo groups with Dynamics & EQ, 6 stereo busses
- Enco Hotshot2 audio playout system
- Digicart II Plus with 250 Mb ZIP drive
- CD player
- 3 Sennheiser MD 46 stick mics
- 5 Sennheiser HMD sportscaster headsets
- 6 Daltech talkback boxes

Communications

- RTS Intercom System integrated with A Unit
- 8 Channels of IFB
- 6 RTS 4030 IFB beltpacks
- 6 RTS BP325 headset boxes
- 2 Telos Hx2 digital telephone interfaces
- 2 RTS TIFF 2000As from A Unit
- 2 Two-Way Radios with base station

Graphics

- VizRT (Upon request)
- Chyron HyperX3 HD with USB 3.0 (Upon request)
- For-A Telestrator with HD touchscreen (Upon request)

Engineering & Misc

- 2 Lighting Kits
- Grass Valley Focus 75 triax camera with Fujinon XA20sx8.5 ENG lens and tripod (Booth)

Outboard Monitors

- Four 16" Outboard LCD monitors
 - *Capability to provide HD Program to booth (If fiber is available)*

Cable

- 150' Triax
 - *One 6 line triax mult 150'*
- 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