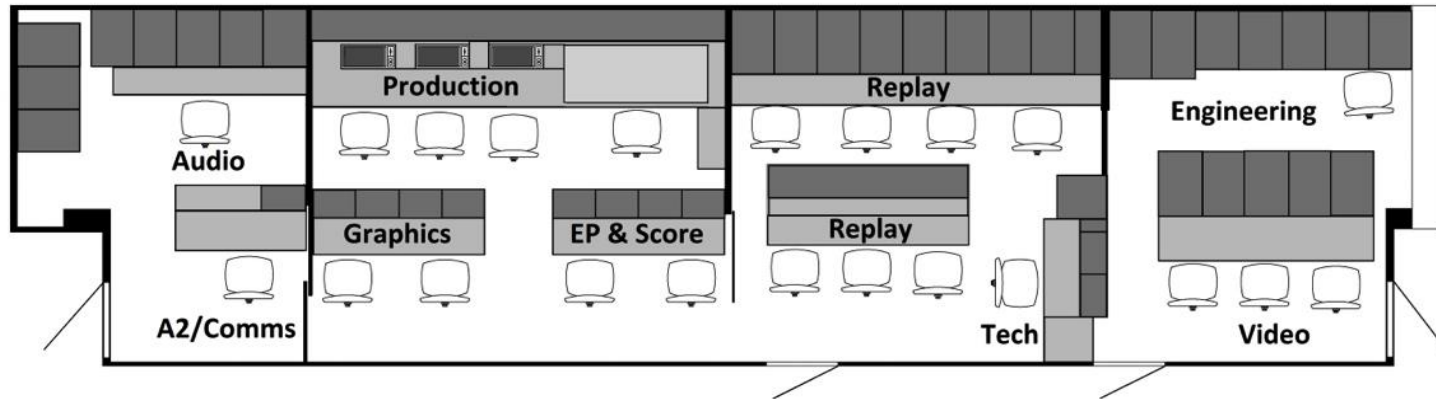


37 HDX & 37 VMU Equipment Specifications

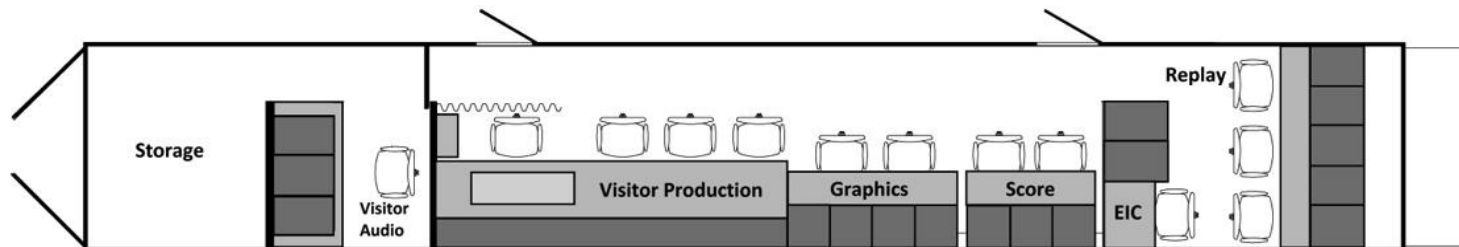
Unit A:

Length: 53' Height: 13'3" Width: 8'6" with ability to expand to: 14'



VMU-Unit B:

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



37 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 105 images in production wall

Cameras/ Lenses & Support

- 7 Grass Valley LDX80 Premier 720p/1080i triax cameras
- 4 Grass Valley LDX86 universe fiber super slow mo cameras (Upon request. Can be used as regular live cameras)
- 4 Grass Valley 3G fiber converters (SHEDS)
- 2 Grass Valley LDK 8000 Elite triax camera and Canon HJ15x8b ENG lenses with tripods (Booth)
- Canon XJ95x8.6 long lens
- 7 Canon XJ76x9 long lenses
- Canon 72x9.3 long lens
- 2 Fujinon HA18x5.5 ENG lenses
- 2 Canon XA17x7.6 ENG lenses
- Four 2" color ENG VFs
- Studio Config Kit 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
- 4 Manfrotto 536 ENG tripods with Libec pan/tilt heads
- 2 SD LPS clock cameras

Replay, Spotbox and Edit Systems

- Four 12 channel EVS XT3s full editing replay servers with 16 channels of embedded audio
 - 4 SSMO, 20 HD input/ 12 HD output when truck is running in SSMO mode
 - 2 XT3 can be split into 2 operator positions each with 4 inputs/2 outputs
 - EVSs must use DNxHD codec for SSMO mode
 - 32 HD inputs/16 HD outputs when truck is running in HD mode
 - 2 Positions uses LSM Connect (No VGA)
- 4 Channel EVS XS server for Spotbox (2 channel per show during dual feeds)
- 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 (SMPTTE 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
- 3 Gbs SDTI network
- 2 DVD recorders/players
- 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 Audio Technica AT4071A short shotgun mics
- 6 Sennheiser MKH 70 P48 long shotguns mics
- 11 Sennheiser MD 46 stick mics
- 10 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
- 4 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
- 16 Ports of OMNEO, 80 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
- SketchHD+ Telestrator with HD touchscreen

Engineering & Misc

- 216x538 Evertz 3G router
- 2,752x848 Evertz audio router
- Embedded audio, 18 MADI, 48 AES, 96x192 analog
- 18 Frame sync/cross converters, 8 with fiber inputs/outputs
 - 4 AJA FS-HDRs and 14 AJA FS1-Xs and for a total of 30 paths
- 12 Utility cross converters
- 2 Lighting Kits

Outboard Monitors

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

Cable

- 6050' Triax
 - Four 500', Ten 250', Twelve 100'
 - Two 6 line triax mults 175'
- 650' 10 Line video mult
 - One 150', Three 125', Three 75', One 50'
- 600' TAC singlemode fiber
 - Two 150' TAC-12, Two 150' TAC-6
- 1400' SMPTE fiber
 - Four 250', Four 100'
- 2700' DT12
 - Six 250', Eight 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

37 VMU Equipment Specifications

The following equipment is available to the Visitor Feed in addition to 37HDX 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
- DVD recorder/player
- 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
- 5 Daltech talkback boxes
- 2 Sound devices MP-1 line amps

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 2000A's from A Unit
- 2 Two-Way Radios with base station

Graphics

- VizRT (Upon request)
- SketchHD+ Telestrator with HD touchscreen (Upon request)

Engineering & Misc

- 2 Lighting Kits
- Grass Valley LDK 8000 Elite camera with Canon KJ17ex7.7B ENG IRSE lens and tripod (Booth)

Outboard Monitors

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

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