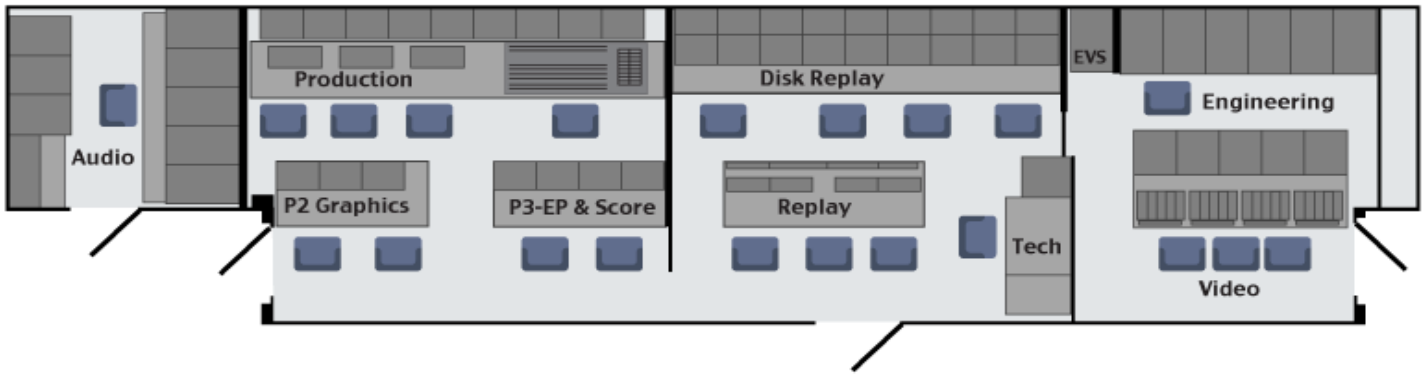
36HDX & 36VMU Equipment Specifications

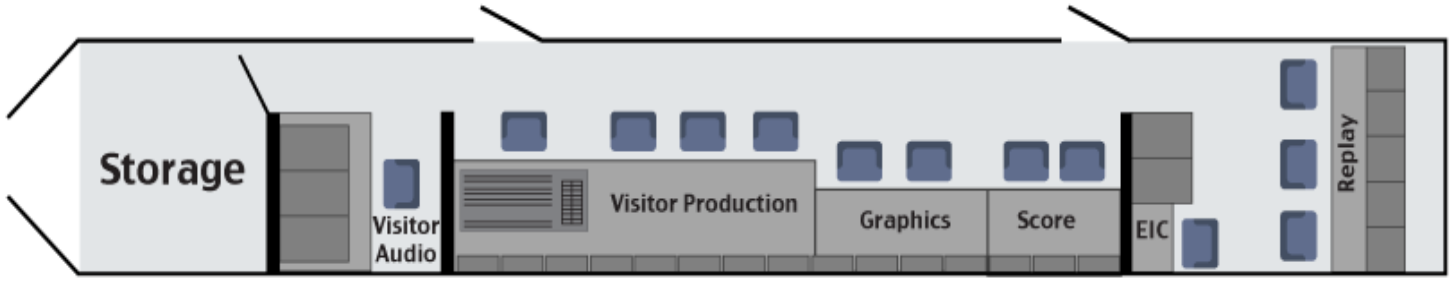
Unit A:

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



VMU-Unit B:

Length: 53' Height: 13’ Width: 8'6"



36HDX 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 91 images in production wall

Cameras/ Lenses & Support

- 7 Grass Valley LDX80 Premier 720p/1080i/1080p triax cameras
- 4 Grass Valley LDX86 universe super slow mo fiber cameras (Upon request. Can be used as regular live cameras)
- 4 Grass Valley 3G fiber converters (SHEDS)
- Grass Valley LDX80 camera with Canon KJ17ex7.7B ENG IRSE lens and tripod (Booth)
- Canon UJ111x8.3 long lens
- Canon XJ95x8.6 long lens
- 7 Canon XJ76x9 long lenses
- 3 Canon XA17x7.6 ENG lenses
- Canon 10x4.5 ENG wide angle lens
- 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 Miller ENG tripods with pan/tilt heads
- 2 SD LPS clock cameras

Replay, Spotbox and Edit Systems

- 12 channel XT4K full editing replay servers with 16 channels of embedded audio
  - *XT4K can be split into 2 operator positions each with 4 inputs/2 outputs*
  - *One position use LSM Connect (No VGA)*
- Two 12 Channel EVS XT3 full editing units
  - *Two XT3 12 channel for SSMO*
  - *One XT3 12 channel can be split into 2 operator positions each with 4 inputs/2 outputs*
  - *One position uses LSM Connect (No VGA)*
- Two 6 Channel EVS XT3 full editing units 4 inputs/2 outputs
- 4 Channel EVS XS server for Spotbox (2 channels 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 (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
- GigE network available
- 2 DVD recorders/players
- Panasonic P2 Deck AG-HPD24P
- 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
- 10 RTS 4030 IFB beltpacks
- 20 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
- 2,752x2,848 Evertz audio router
- Embedded audio, 18 MADI, 48 AES, 96x192 analog
- 12 Frame sync/cross converters, 8 with fiber inputs/outputs
  - *6 Harris X-50s, 6 AJA FS-HDR 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’*
- 900’ TAC singlemode fiber
  - *Three 150’ TAC-12, Three 150’ TAC-6*
- 1500’ SMPTE fiber
  - *Four 250’, Four 100’, Four 25’*
- 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*

36VMU Equipment Specifications

The following equipment is available to the Visitor Feed in addition to 36HDX 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 61 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 2 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 Channel 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)
- SketchHD+ Telestrator with HD touchscreen (Upon request)

Engineering & Misc

- 2 Lighting Kits
- Grass Valley LDX80 camera with Canon KJ17ex7.7B ENG IRSE lens and tripod (Booth)

Outboard Monitors

- Four 16" Outboard LCD 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