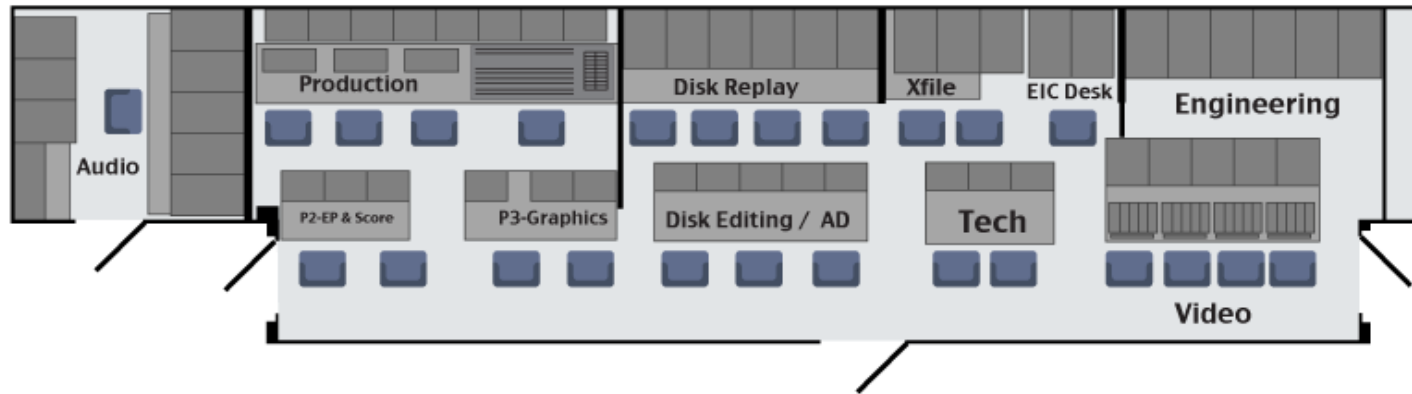


## 34 HDX & 34 VMU Equipment Specifications

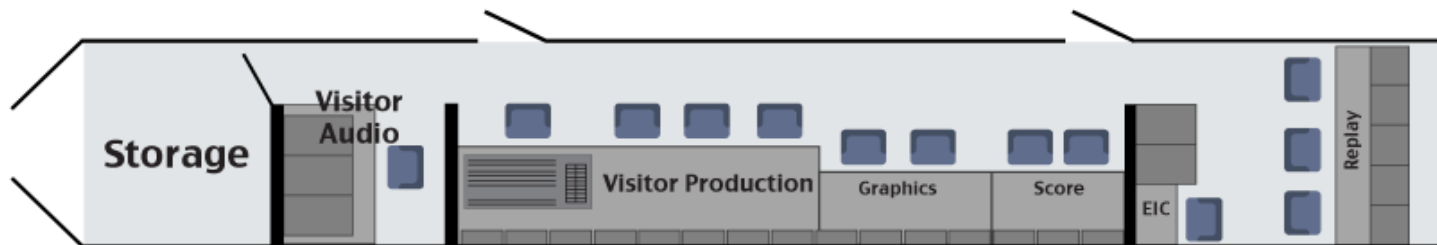
Unit A:

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



VMU-Unit B:

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



# 34 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 86 images in production wall

## Cameras/ Lenses & Support

- 8 Grass Valley LDX80 Premier 720p/1080i 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)
- Canon XJ95x8.6 long lens
- Canon XJ86x9.3 long lens
- 5 Canon XJ76x9 long lenses
- 2 Canon 72x9.3 long lenses
- 4 Canon XA17x7.6 ENG lens
- Canon HJ11x4.7 ENG wide angle lens
- Five 2" ENG VFs
- Studio Config Kit LCD VF
- 9 GVG RefleX SuperExpander Sleds with 7" OLED VFs
- 9 Vinten Vector 75 heavy duty pan/tilt heads
- 9 Mathews MT1 heavy duty tripods
- 5 Manfrotto 536 ENG tripods with Libec pan/tilt heads
- 2 SD LPS clock cameras

## Replay, Spotbox and Edit Systems

- Two 12 Channel EVS XT3 full editing units
- 6 channel EVS XT3 full editing unit
  - One 12 channel for SSMO
  - One 12 channel can be split into 2 operator positions each with 4 input/2 output
  - One position uses LSM Connect (No VGA)
- 4 Channel EVS XT3 R/O unit, 2 inputs/2 outputs
- 8 Channel Evertz Dreamcatcher for instant replay of two 6x SSMO cameras (With file transfer of clips to EVS network) 60 hours of record
- 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 (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
- 3 Gbs SDTI and GigE network
- 2 DVD recorders/players
- Panasonic P2 Deck AG-HPD24P
- Up to 6 replay operator positions

## Audio

- CALREC Artemis Beam Audio Mixer (48 fader) 256 routable inputs via MADI, 64 channel inputs/4 routable MADI 64 channel outputs, 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
- 6 Sennheiser MKH 416 short shotgun mics
- 3 Audio Technica AT4071A short shotgun mics
- 6 Sennheiser MKH 70 P48 long shotguns 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
- 4 Sound devices MP-1 Line Amps
- 6 DT12 Breakout Boxes
- 6 Fostex portable speakers
- Fiber Booth Kit (Upon request)
- Parab dishes (Upon request)

## Communications

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

## Graphics

- VizRT
- For-A Telestrator with HD touchscreen

## Engineering & Misc

- 270x580 Evertz 3G router
- 2,752x848 Evertz audio router
- Embedded audio, 18 MADI, 48 AES, 96x192 analog
- 19 Frame sync/cross converters, 8 with fiber inputs/outputs
  - 3-FS-HDRs, 2 AJA FS-2s, 2 AJA FS-1s, and 12 Harris X-50s 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

- 3000' Triax
  - Eight 250', Ten 100'
- 1125' 10 Line video mult
  - Three 150', One 125', Five 75', One 50'
- 450' TAC singlemode fiber
  - Two 150' TAC-12, One 150' TAC-6
- 1800' SMPTE fiber
  - Four 250', Eight 100'
- 2650' DT12
  - Six 250', Ten 150', Eight 50'
- 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

# 34 VMU Equipment Specifications

The following equipment is available to the Visitor Feed in addition to 34 HDX 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 Spotbox from A Unit
- Lance TDC-100 disk control
- 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- 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 One Digital Telephone Interfaces
- 2 RTS TIF 2000As from A Unit

## Graphics

- VizRT (Upon request)
- For-A Telestrator with HD touchscreen (Upon Request)

## Engineering & Misc

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

## Outboard Monitors

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

## Cable

- 1200' DT12
  - *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, 150 amps