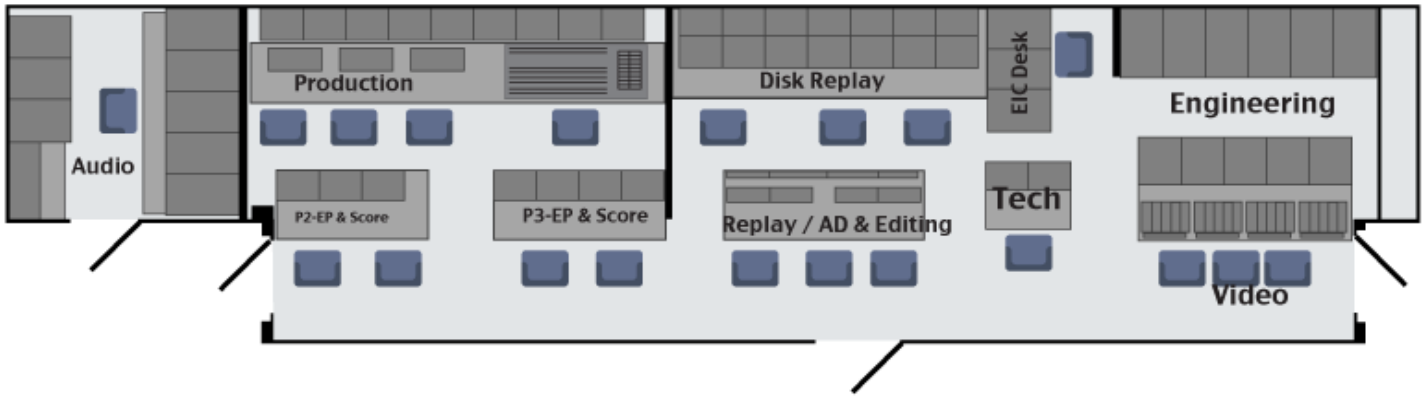
35HDX & 35VMU Equipment Specifications

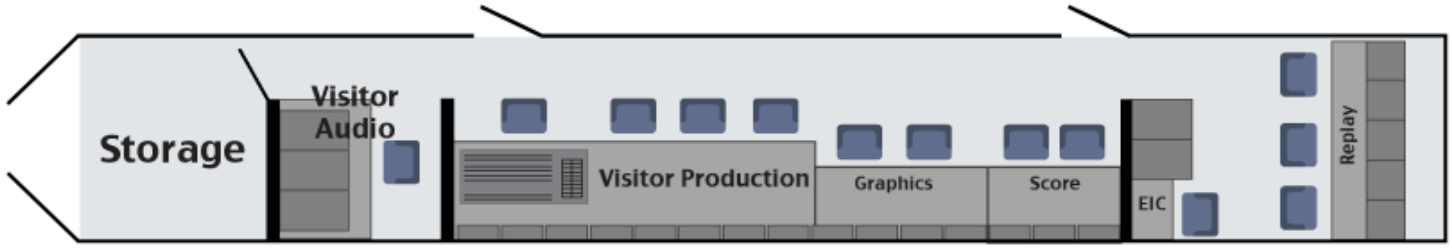
Unit A:

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"



35HDX 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 fiber super slow mo cameras (Upon request. Can be used as regular live cameras)
- Grass Valley LDK 8000 Elite triax camera with ENG lens with tripod(Booth)
- 4 Grass Valley 3G fiber converters (SHEDS)
- Canon UJ111x8.3 long lens
- Canon XJ95x8.6 long lens
- 7 Canon XJ76x9 long lenses
- 2 Fujinon HA18x5.5 ENG lenses
- 3 Canon XA17x7.6 ENG lenses
- Four 2” LCD ENG VFs and 2” CRT VF
- 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 Arrow X7 ENG tripod/pan/tilt heads
- Manfrotto 536 ENG tripods with Libec pan/tilt head
- 2 SD LPS clock cameras

Replay, Spotbox and Edit Systems

- Four 12 Channel EVS XT3 full editing unit
  - *Can be split into 2 operator positions each with 4 input/2 output*
  - *One position 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 (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 (56 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
- 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
- 2,752x848 Evertz audio router
- Embedded audio, 18 MADI, 48 AES, 96x192 analog
- 20 Frame sync/cross converters, 8 with fiber inputs/outputs
  - *3 AJA FS-HDRs, 1 AJA FS-2s, and 16 Harris X-50s for a total of 30 paths.*
- 12 Utility cross converters
- TSI-3000 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

- 6750’ Triax
  - *Four 500’, Ten 250’, Twelve 100’*
  - *Two 6 line triax 175’*
- 800’ 10 Line video mult
  - *One 150’, Three 125’, Three 75’, One 50’*
- 300’ TAC singlemode fiber
  - *Two 150’ TAC-12*
- 700’ SMPTE fiber
  - *Two 250’, Two 100’*
- 2700’ DT12
  - *Eight 150’, Six 250’*
- 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*

35VMU Equipment Specifications

The following equipment is available to the visitor feed in addition to 35HDX 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 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-1line amps

Communications

- RTS Intercom System integrated with A Unit
- 8 Channels of IFB
- 6 RTS 4030 IFB beltpacks
- 6 RTS BP325 headset boxes
- 4 Telos Hx2 Digital Telephone Interfaces
- 2 RTS TIF 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
- 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

- 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