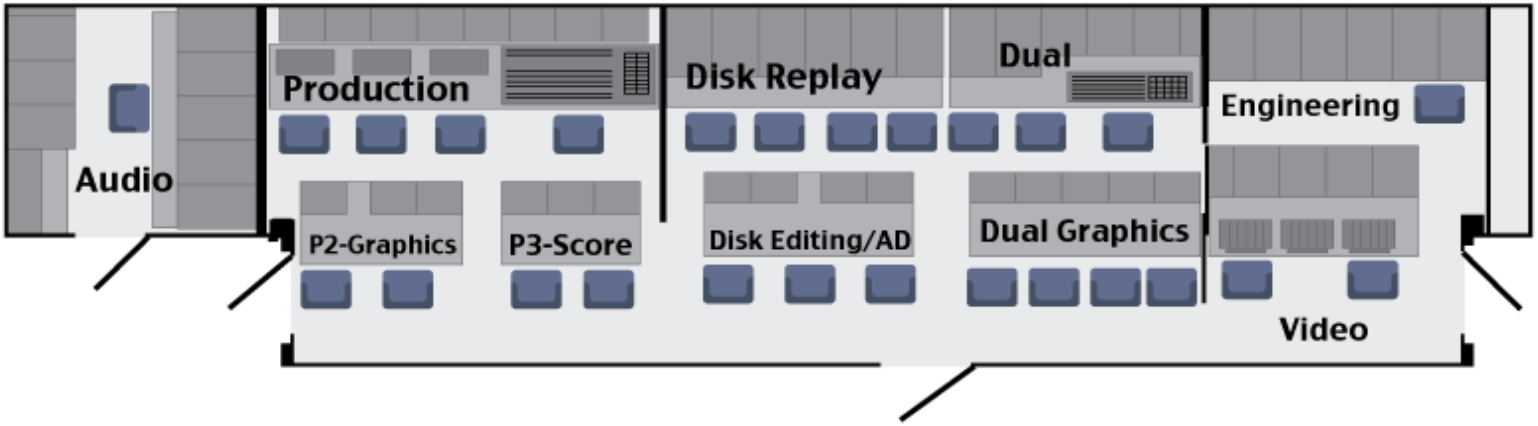
31HDX Equipment Specifications

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



31HDX Equipment Specifications

Production

- Grass Valley HD Kayenne switcher
- 4.5 M/Es, 96 inputs/48 outputs
- Internal Image Store
- 8 iDPMs/4 eDPMs
- 4 Stripe (M/E) Contol Panel
- 2 Stripe (M/E) secondary switcher
- Up to 90 images in production wall

Cameras/ Lenses & Support

- 7 Grass Valley LDX 80 Premier 720p/1080i triax cameras
- 4 Grass Valley LDX86 universe super slow mo fiber cameras (Upon request. Can be used as regular live cameras)
- 2 Grass Valley 3G fiber converters (SHEDS)
- 7 Canon 72x9.3 long lenses
- Canon UJ86x9.3B long lens
- 4 Canon XA17x7.6 ENG lenses
- Four 2" ENG VFs
- 2 Panasonic AG-HPX370 fiber cameras with lenses and tripods (2 Single mode fibers per camera required) (Booth)
- 8 Grass Valley RefleX SuperExpander sleds with 7" VFs
- 8 Vinten Vector 75 heavy duty pan/tilt heads
- 8 Mathews MT1 heavy duty tripods
- 4 Gitzo ENG tripods with Libec H85 pan/tilt heads
- 2 SD LPS clock cameras

Replay, Spotbox and Edit Systems

- Two 12 Channel EVS XT3 full editing unit
  - *One 12 channel can be split into 2 operator positions each with 4 inputs/2 outputs*
  - *One position uses LSM connect (No VGA)*
- Four 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*
- 2 Lance TDC-100 Disk Controllers
- 2 XFile3s 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/Router (48 fader) 128 analog/128 analog outputs, inputs, 64 AES inputs/64 AES outputs
- Audio Board can output multiple channels of surround sound
  - *Encoders for transmitting surround sound are the clients responsibility*
- Enco Hotshot2 audio playout system
- Digicart E with ZIP drive
- CD Player
- 6 Audio Technica BP4073 short shotgun mics
- 6 Sennheiser MKH 70 P48(long shotguns mics
- 5 Sennheiser MD-46 stick mics
- 7 Sony ECM77B lavaliers
- 5 Sony ECM55B lavaliers
- 5 Crown PCC-160 Cardioid Microphones
- 8 Sennheiser HMD sportscaster headsets
- 6 Daltech talkback boxes
- Videotek ASM-100 audio scope
- 6 DT12 Breakout Boxes
- 10 DT12 fanouts
- 6 Fostex portable speakers
- Fiber Booth Kit (Upon request)
- Parab dishes (Upon request)

Communications

- RTS ADAM Matrix System
- 112 Analog ports, 16 ports of RVON
- 12 Channels of IFB
- 12 Channels of PL
- 10 RTS 4030 IFB beltpacks
- 15 RTS BP325 headset boxes
- 4 Telos One Interface
- 4 RTS TIF 2000As
- 12 Line phone system
- 6 Two-Way Radios with 2 base stations

Graphics

- VizRT
- For- A Telestrator with HD touchscreen
- For- A Telestrator with HD touchscreen (Upon request)
  - *2 ST fibers required*

Engineering & Misc

- 192x480 Grass Valley Router HD-SDI
- 17 Frame sync/cross converters
  - *2 AJA FS-HDR, 1 AJA FS-4, 4 AJA FS-2s, 4 AJA-FS1-Xs, and 6 AJA FS-1s for a total of 30 paths*
- TSI-3000 tally system with virtual tally
- 10 Utility cross converters
- 2 Lighting Kits

Outboard Monitors

- Fifteen 13" Outboard LCD video monitors

Cable

- 2875' Triax
  - *Two 500', Six 250'*
  - *Three 5 line triax mults 125'*
- 200' 10 Line video mult
  - *One 100', Two 50'*
- 600' 5 Line video mult
  - *Four 150'*
- 750' TAC singlemode fiber
  - *One 300' TAC-12, Two 150' TAC-12, One 150' TAC-6*
- 1500' SMPTE fiber
  - *Four 250', Four 100', Four 25'*
- 1900' DT12
  - *Four 250', Six 150'*
- 125' Three phase power cable
  - *Set of 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*

Dual Audio Trailer/Tractor (DAT)

This equipment is available during dual feeds

- CALREC Brio 36 (36 fader)
  - *24 Mic/line inputs*
  - *16 Analogue outputs*
  - *8 AES3 digital inputs, 8 AES3 digital outputs*
  - *8 GPI + 8 GPO*
  - *Loudness meters*
  - *Delay available on every path*
  - *Up to 96 legs assignable as mono, stereo, or 5.1 input channels*
  - *36 legs assignable as mono, stereo or 5.1 mains or groups*
  - *24 legs assignable as mono or stereo auxes*
  - *Up to 96 legs assignable as Insert sends and returns*
  - *Up to 96 legs assignable as Direct, or Mix-Minus Outputs*
  - *Every input channel and group path have expander/Gate/Ducker, with key input and sidechain EQ; a compressor with key input and sidechain EQ and multiband compressor*
  - *Every aux has expander/gate and compressor*
  - *Every main has a single band compressor and multiband compressor*
- Enco Hotshot2 Audio Playout System
- Digicart E with ZIP drive
- CD Player
- 4 EV RE50 stick mics
- 4 Sennheiser HMD sportscaster headsets
- 4 Daltech talkback boxes
- 4 RTS 4030 IFB beltpacks
- 4 RTS BP325 headset boxes
- 2 Telos One Interfaces
- 2 Lighting Kits
- 900' DT12
  - *Six 150'*