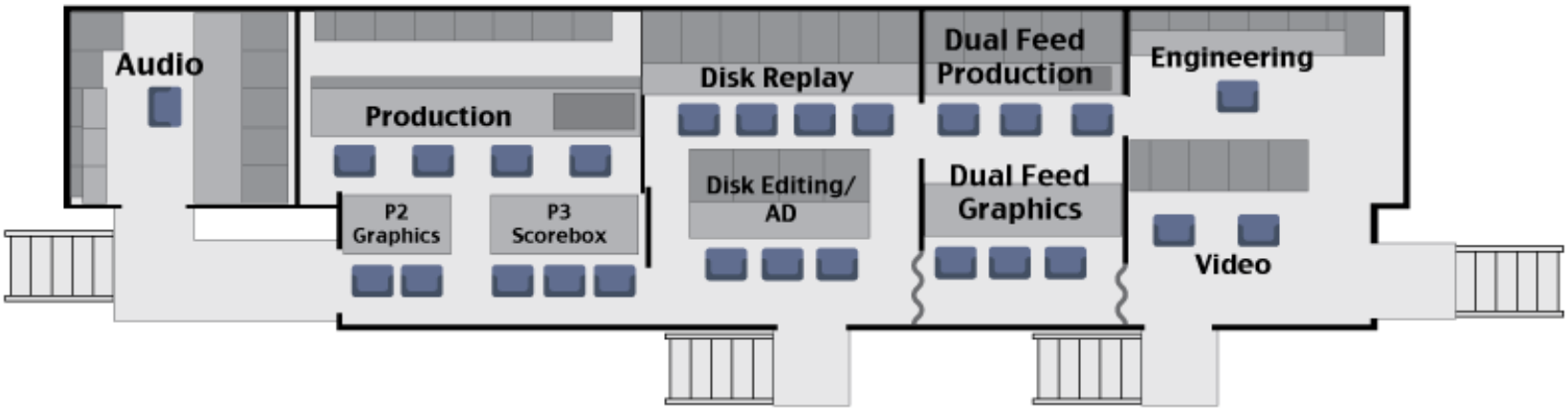
29HDX Equipment Specifications

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



29HDX Equipment Specifications

Production

- Grass Valley HD Kayenne K-Frame switcher
- 5 M/Es, 96 inputs/48 outputs
- Internal Image Store
- 8 iDPMs/2D DPMs, FlexiKeys, DoubleTake
- 32 Chroma Keyers
- 4 Stripe (M/E) control panel
- 2 Stripe (M/E) secondary control panel
- Up to 90 images in production wall

Cameras/ Lenses & Support

- 7 Grass Valley LDX 80 Premier 720p/1080i triax cameras
- 4 Grass Valley LDX 86 universe super slow mo fiber cameras (Upon request. Can be used as regular live cameras)
- 4 Grass Valley 3G fiber converters (SHEDS)
- 8 Canon 72x9.3 long lenses
- 4 Canon XA17x7.6 ENG lenses
- Four 2" ENG VFs
- Studio Config Kit with LCD VF
- 2 Panasonic AG-HPX370 fiber cameras with Fujinon XT17x4.5BRM-K14 lenses and tripods (2 Single mode fibers per camera required) (Booth)
- 8 Grass Valley SuperExpander sleds with four 7" VFs and four 9" 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

- 12 Channel HD XT3 full editing units 4 inputs/2 outputs
- Four 6 Channel HD 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*
- 8 Channel Evertz Dreamcatcher for instant replay of two 6x SSMO cameras (With file transfer of clips to EVS network) 60 hours of record
- 2 Lance TDC-100 Disk Controllers
- 2 XFile3s with USB 3.0
- 3 Gbs SDTI
- GigE network available
- 3 DVD recorders/players
- 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 AT4071A long shotguns mics
- 8 Rode NTG-3 short shotgun mics
- 6 Audio Technica BP4073 short shotgun mics
- 4 Sennheiser e835 stick mics
- 4 Sennheiser MD-46 stick mics
- 2 RE 50 stick mics
- 12 Sony ECM77B lavaliers
- 6 Sennheiser HMD sportscaster headsets
- 6 Daltech talkback boxes
- 6 DT12 Breakout Boxes
- 16 DT12 fanouts
- 6 Fostex portable speakers
- DK Technologies MSD600m Audio Scope
- Fiber Booth Kit (Upon request)
- Parab dishes (Upon request)

Communications

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

Graphics

- VizRT
- Sketch HD Telestrator with HD touchscreen
- Sketch HD Telestrator with HD touchscreen for secondary feed (Upon request)

Engineering & Misc

- 160x352 Grass Valley Router HD-SDI
- 13 Frame sync/cross converters
  - *2 AJA FS-HDRs, 2 AJA FS-4s, 5 AJA FS-2s, 4 AJA FS-1s for a total of 30 paths*
- 12 Utility cross converters
- 10 Utility down converters
- TSI-3000 tally system with virtual tally
- 2 Lighting Kits

Outboard Monitors

- Eight 22" Outboard LCD video monitors
- Nine 15" Outboard LCD video monitors
  - *Capability to provide HD program to booth (If fiber is available)*

Cable

- 3400' Triax
  - *Ten 250', Seven 100', Eight 25'*
  - *Two 6 line triax mults 175'*
- 600' 10 Line video mult
  - *Two 125', Four 75', One 50'*
- 300' TAC singlemode fiber
  - *Two 150' TAC-6*
- 1500' SMPTE fiber
  - *Four 250', Four 100', Four 25'*
- 2300' DT12
  - *Five 250', Seven 150'*
- 75' Three phase power cable
  - *Sets of 75'*
- 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

- STUDER Vista 1
- 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 with ZIP drive
- CD Player
- 3 EV RE50 stick mics
- 3 Sennheiser HMD sportscaster headsets
- 3 Daltech talkback boxes
- 3 RTS 4030 IFB beltpacks
- 3 RTS BP325 headset boxes
- 2 Telos One Interfaces
- 2 Lighting Kits
- 900' DT12
  - *Six 150'*