

GTX-19 Technical Specifications

Video Production

Grass Valley HD Kayenne Elite K-Frame X Switcher

192 Inputs / 96 Outputs / 9 Mix Effects
(6) Downstream Keyers per M/E
FlexiKey Programmable Clean Feed
12 iDPM / 4 eDPM / 4 Chroma Keys per Full M/E
DoubleTake

Grass Valley K2 Summit 4-Channel Clip Store Evertz 576x1152 w/ Xlink HD Router 64 GB Still Store w/movies

KSP 1 M/E Soft Panel GUI
(1) **6 Channel VIA Spot Box w/ Interface & Lance Controller**

Record/Replay

(4) **12 Channel VIA EVS LSM** (w/ SSMO Option)
(2) **EVS XFile 3 Archive Station**
(2) **EVS XHub3**
(1) **EVS IP Director Package**
(1) **EVS C-Cast Agent**
(1) **Sony SRW -5500 VTR**
(8) **KiPro Ultra Plus w/ 16 1TB Drives**
(4) **4 Channel AJA Pro Go USB Recorders**

Graphics *Upon Request

Cameras & Accessories

4K Software w/ HDR Unlocked on all cameras
(14) **Sony HDC 4300L Multi-Format Camera** *Fiber Operation Only**
(2) **Sony HDCP-43 POV Camera** *Fiber Operation Only**
4 Point Star Filters & Variable Speed Shutter Available
(8) **Sony HDLA Lens Adapter**
(8) **Vinten VECTOR 750 Panhead & Heavy Duty Tripods**
(3) **Vinten Dolly Wheels for Hard Cameras**
(4) **Studio Build-Up Kits for Handheld Cameras**
(3) **Fujinon 4k 14x4.5 Wide Angle Lenses**
(5) **Fujinon 4K 18x5.5 Lenses**
(1) **Fujinon 4K 22x7.8 Handheld Lenses**
(8) **Fujinon 4K 107x8.4 Studio w/ Stabilization**
Mobile Unit Wired For 24 Cameras

Microphones/Speakers

(14) **Sennheiser MKH 416 Shotgun Mics**
(2) **Sennheiser MKE 44-P Stereo Mic**
(6) **Sennheiser MD 46 Stick Mics**
(2) **Sennheiser MKH 70 Shotgun Mics**
(6) **Sony ECM 77B Lavalier Mics**

Production Monitor Wall

Evertz VIP Routing & Multi-Image Display
(18) **31" Custom Postium 4K Monitors 4096x2160**

External Monitors/Converters

(4) **12" HD LCD Field Monitors 16:9**
(2) **15.6" 4K Color Monitors**
(8) **18" HD LCD Field Monitors 16:9**
(2) **23.8" 4K Color Monitors**
(12) **Rattlers - ST Fiber to HD/SDI**
(4) **HD/SDI to HDMI Converter**

System/Routers

(2) **Evertz Master Sync and Timecode Generator with 4K**
Evertz Changeover
Evertz Digital Time Displays
Evertz 576 x1152 w/ Xlink HD Router
(20) **Evertz 7814 UDX DualPath Frame Sync**
(5) **AJA FS4 HDR Frame Synchronizer/Converter 4K/3G/HD Up/Down/Cross**
(1) **ForA 5-Channel HD Color Correctors/Frame Sync**
(1) **DSS Receiver**

Video Shading

Sony 30" BVMX 300-2 Monitor
(3) **Sony OLED BVME171 monitors w/HDR**
(3) **Tektronix 4K WFM/Vector Scopes**
(1) **Tektronix 3G WFM/Vector Scopes (in engineering)**

F&F PRODUCTIONS, LLC

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Intercom/Communications

- RTS Adam 160x160 Matrix
(1) 64-Channel MADI Card
(2) OMNEO 64 Cards
(16) IFB Channels
(18) RTS KP 32 Keypanel
(12) RTS KP 12 Keypanel
(15) RTS 4030 IFB Beltpack
(25) RTS BP-325 Dual Channel Programmable Beltpack
(6) RTS TIF 4000 Digital Telephone Interface
(1) Phone System (12 Lines)
(4) QKT
(4) Ringdown Circuits
(6) Motorola 2-Way Radios w/ 2 Base Stations
(15) Single Muff Headsets
(10) Double Muff Headsets
(20) Lightweight Headsets
(6) Sennheiser HMD-26 Announcer Headsets
(6) Studio Technologies Model 21 Talkback Boxes
(4) RTS Telex SPK 300 Biscuit Boxes

Fiber Booth Kit

- Calrec Hydra
32x32 Audio
4x10 HD/SDI
(2) KP Ports
(2) 10/100/1G-LAN
(2) Router Controls

Lighting

- (2) Lowell Light Kits w/ 4 Instruments each

Audio

- Calrec Apollo Digital Console w/Bluefin2
(72) Faders w/ Hydra2
LCD Bar Graph and VU Metering
MADI Interface – 4-Streams
128x128 AES Audio
128x128 Analog Audio
64 x 64 Dante
Dual Processor Engines
Yamaha SPX2000 Multi-Effects Processor
3 Behringer 2 Channel Composer MDX2600
3 Behringer 4 Channel Composer MDX4600
(2) 360 Systems Digicart/E Ethernet Audio Recorders w/ SD Card
ENCO EDAD Digital Audio Server
(1) CD Player
(1) DTS Neural Loudness Meter
(2) DTS Neural Upmix Decoders
(2) DTS Neural Downmix Encoders
(2) DTS Neural Mono to Stereo 4-Channel Synthesizers
Genelec 5.1 Surround Sound Monitoring
RTW Stereo Surround Audio Display
(10) De-embedders
*Upon Request 64 Channel Hydra Stage Box
48 x 16

**Equipment on this specs sheet is subject to change without notice*

Cable

- 15000' SMPTE
3000' DT 12 Audio Mults
2000' Coax Video (Various Lengths)
1500' Single Mode Tac 12
5-Pair Coax Mults (Various Lengths)
10-Pair Coax Mults (Various Lengths)

Power Requirements

- 3-Phase
208 Volt
400 Amps
200 Amp Environmental
200 Amp Technical
Maximum Distance From Power Panel: 150'

A-Unit Dimensions (Expanded)

- W/ Tractor: 74' L x 13'6" H x 16' W
W/O Tractor: 56' L x 13'6" H x 16' W
Working Footprint: +5' Around
Expands: Curb Side

B-Unit Dimensions w/liftgate

- W/ Tractor: 73' L x 13'6" H x 8'6" W
W/O Tractor: 55' L x 13'6" H x 8'6" W
Working Footprint: +5' Around

**Upon Request
Closed Captioning Device
Telestrator*

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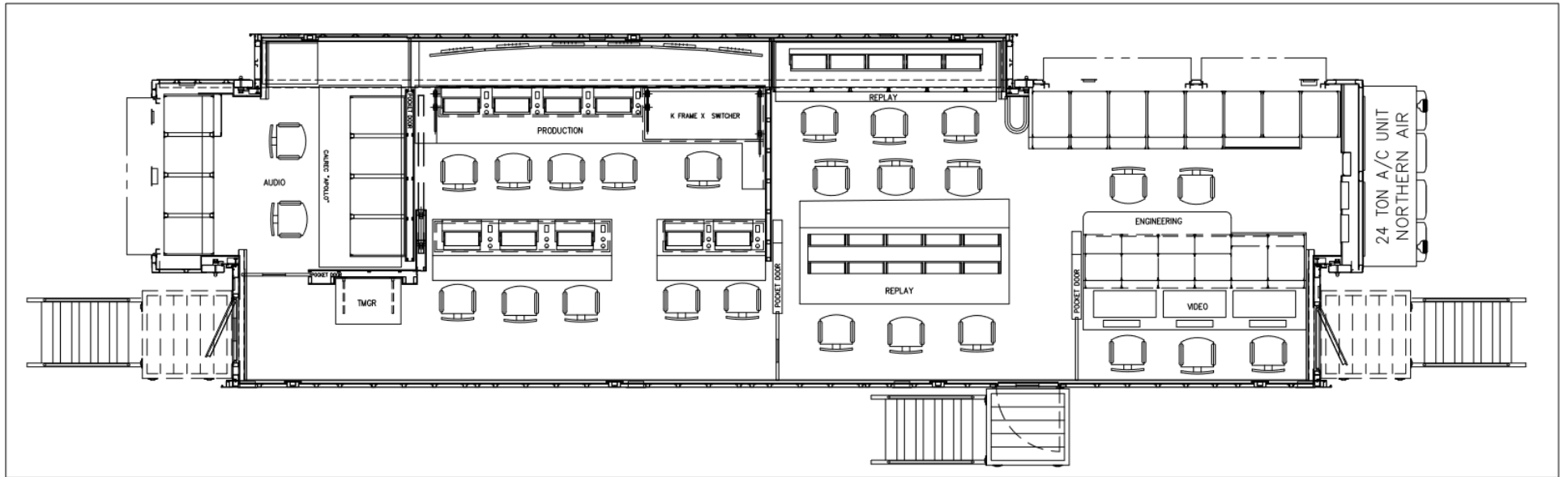
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4 5 6	22 23 24	40 41 42	58 59 60	76 77 78	SPOT A 177 178 179
7 8 9	25 26 27	43 44 45	61 62 63	79 80 81	SPOT B 176 179 180
10 11 12	28 29 30	46 47 48	64 65 66	82 83 84	SPOT C 181 182 183
13 14 15	31 32 33	49 50 51	67 68 69	85 86 87	SPOT D 184 185 186
16 17 18	34 35 36	52 53 54	70 71 72	88 89 90	CAM RTN1 173 174 175
					CAM RTN2 176 177 178
					ME1 PGM 197 198 199
					ME2 PGM 201 202 203
					ME3 PGM 206 207 208
					DVE 209 210 211
					TELE 199 200 201
					STILL-1 199 200 201
					STILL-2 199 200 201
					STILL-3 201 202 203
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