

GTX-20 Technical Specifications

Video Production

Grass Valley HD Kayenne XP K-Frame 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

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

(6) **12 Channel VIA EVS LSM** (w/ SSMO Option)

(2) **EVS XFile 3 Archive Station**

(2) **EVS XHub3**

(1) **EVS XHub VIA**

(1) **EVS IP Director Package**

(1) **EVS Connected Agent**

(1) **4 Channel AJA KiPro Go USB Recorders**

Graphics

*Upon Request

Cameras & Accessories

4K Software w/ HDR Unlocked on all cameras

(12) **Sony HDC 3500 Multi-Format**

(4) **Sony HDC 5500 Multi-Format** *Fiber Operation Only**

(2) **Sony HDC 1500 Multi-Format**

(8) **Sony HDLA Lens Adapter**

(8) **Vinten VECTOR 750 Panhead & Heavy Duty Tripods**

(4) **Studio Build-Up Kits for Handheld Cameras**

(3) **Fujinon 4k 13x4.5 Wide Angle Lenses**

(1) **Fujinon 4K 17x Lenses**

(1) **Fujinon 4K 18x5.5 Lenses**

(1) **Fujinon 4K 22x Lenses**

(4) **Fujinon 4K 24x7.8 Handheld Lenses**

(8) **Fujinon 4K 125x8 Studio w/ Stabilization**

Mobile Unit Wired For 24 Cameras

Microphones/Speakers

(14) **Sennheiser MKH 416 Shotgun Mics**

(8) **Sennheiser MD 46 Stick Mics**

(4) **Sennheiser MKH 70 Shotgun Mics**

(6) **Sony ECM 77B Lavalier Mics**

Production Monitor Wall

Grass Valley 821 Routing & Multi-Image Display

(18) **31" Postium 4K Monitors 4096x2160**

External Monitors/Converters

(6) **10" HD LCD Field Monitors 16:9**

(8) **18" HD LCD Field Monitors 16:9**

(12) **Rattlers - ST Fiber to HD/SDI**

System/Routers

Grass Valley 352x608 IP Router

(2) **Tektronix Master Sync and Timecode Generator with 4K**

Tektronix Changeover

Evertz Digital Time Displays

(15) **AJA FS4 HDR Frame Synchronizer**

/Converter/4K/3G/HD Up/Down/Cross

(1) **DSS Receiver**

Video Shading

Sony 30" BVMX 300-2 Monitor

(3) **Sony OLED PVM-X1800 monitors w/HDR**

(3) **Telestream Prism MPI 2**

(1) **Telestream Prism MPI 2 (in engineering)**

F&F PRODUCTIONS, LLC

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Intercom/Communications

- RTS Adam 160x160 Matrix**
(4) **64-Channel OMNEO Card**
(1) **RVON 32+ Card**
(16) **IFB Channels**
(19) **RTS KP 5032 Keypanel**
(7) **RTS KP 4016 Keypanel**
(16) **RTS 4030 IFB Beltpack**
(30) **RTS BP-325 Dual Channel Programmable Beltpack**
(8) **RTS TIF 4000 Digital Telephone Interface**
(1) **Phone System (12 Lines)**
(4) **QKT**
(4) **Ringdown Circuits**
(16) **Single Muff Headsets**
(12) **Double Muff Headsets**
(20) **Lightweight Headsets**
(6) **Sennheiser HMD-27 Announcer Headsets**
(6) **Studio Technologies Model 21 Talkback Boxes**
(4) **RTS Telex SPK 300 Biscuit Boxes**

Fiber Booth Kit

- Calrec Hydra**
32x32 Audio
8x4 Video
(2) 10/100/1G-LAN
(4) IFB Channels
(4) Dual Channel PLs

Lighting

*Upon Request

Audio

- Calrec Apollo Digital Console V9**
(72) Dual-Faders w/ Hydra2
LCD Bar Graph and VU Metering
MADI Interface – 4-Streams
128x128 AES Audio
128x128 Analog Audio
256 x 256 Dante
Dual Processor Engines
Yamaha SPX2000 Multi-Effects Processor
4 166XL DBX Compressor
1 1046 DBX Compressor
(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**
**Hydra Stage Boxes Upon Request*

Cable

- 12000' SMPTE**
3000' DT 12 Audio Mults
2000' Coax Video (Various Lengths)
9000' Tac 12 (Various Lengths)
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 and Street Side

B-Unit Dimensions w/liftgate

- 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 and Street Side

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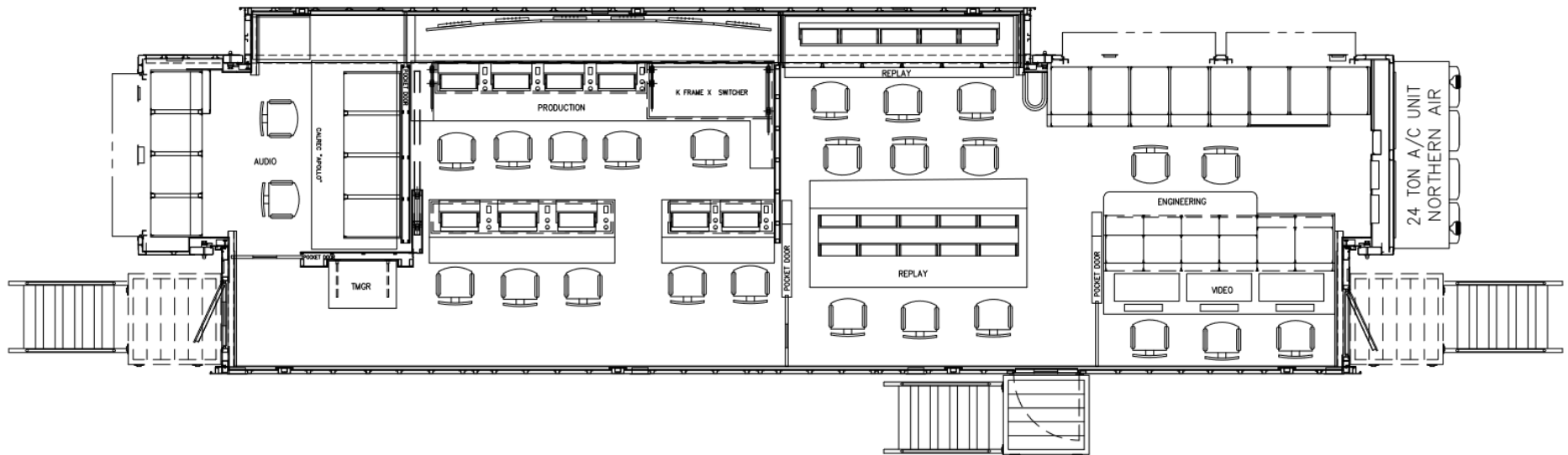
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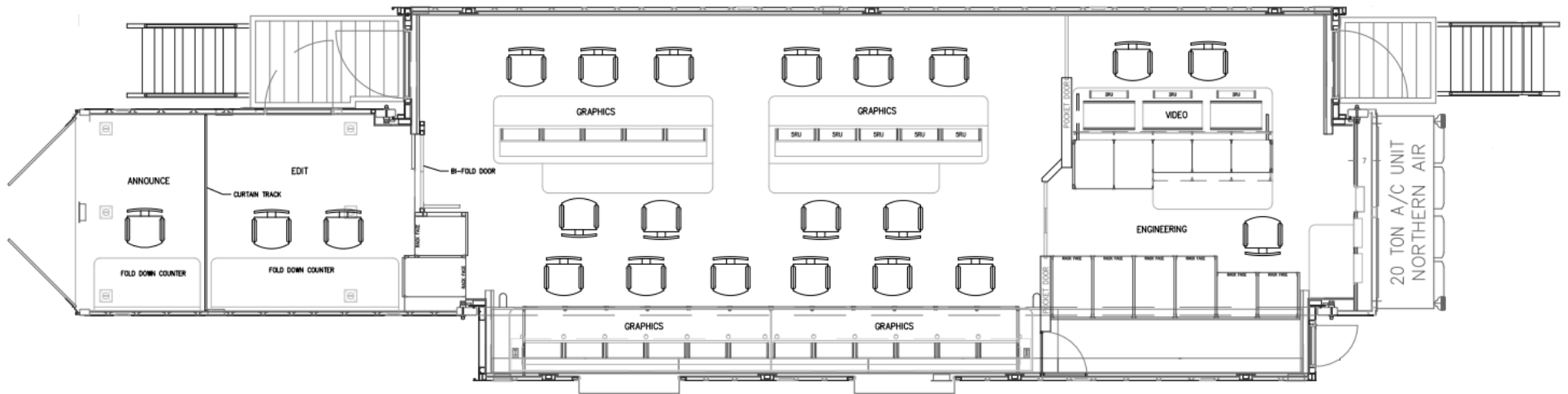


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B-20: Required with GTX-20



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