

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 IP Director Package**

(1) **EVS Connected Agent**

(1) **4 Channel AJA Pro 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**

4 Point Star Filters & Variable Speed Shutter Available

(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) OMNEO 64 Cards
- (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
- 4x10 HD/SDI
- (2) 10/100/1G-LAN

Lighting

n/a

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
- 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
- *Upon Request 64 Channel Hydra Stage Box
- 48 x 16

Cable (TBD)

- 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 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

**Upon Request
Closed Captioning Device
Telestrator*

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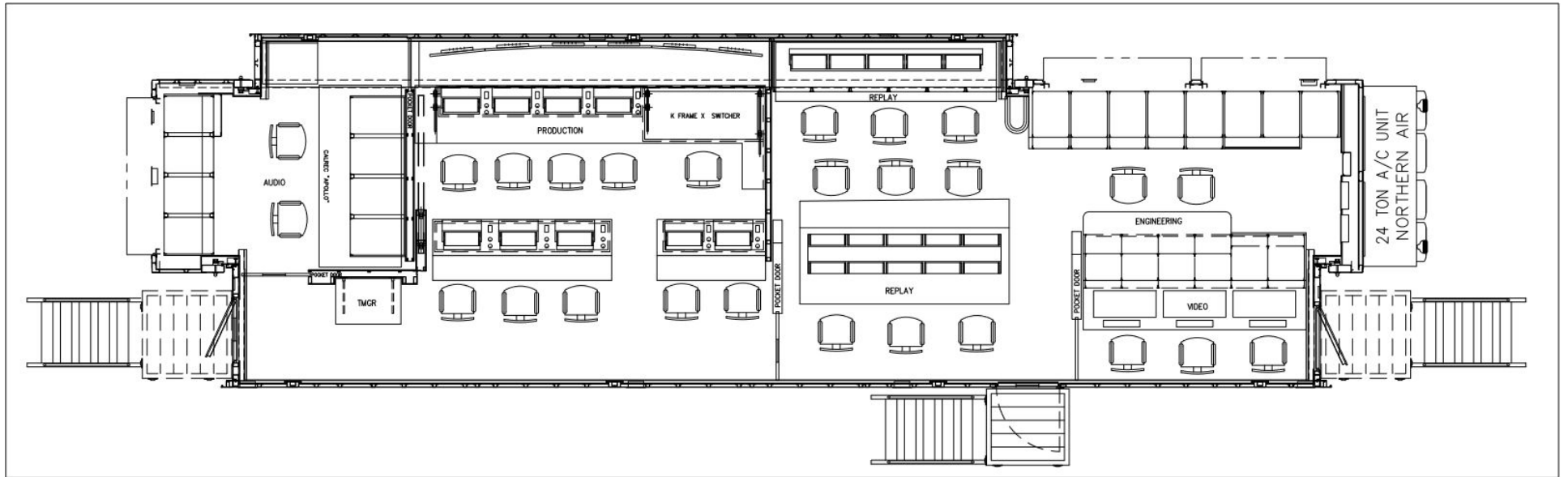
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1A 1 2 3	2A 19 20 21	3A 37 38 39	4A 55 56 57	5A 73 74 75	6A 173 174 175
4 5 6	22 23 24	40 41 42	58 59 60	76 77 78	176 177 178
7 8 9	25 26 27	43 44 45	61 62 63	79 80 81	179 180 181
10 11 12	28 29 30	46 47 48	64 65 66	82 83 84	182 183 184
13 14 15	31 32 33	49 50 51	67 68 69	85 86 87	185 186 187
16 17 18	34 35 36	52 53 54	70 71 72	88 89 90	188 189 190
		PROGRAM		PREVIEW	CAM RTN1 173 CAM RTN2 174 SPOT A 177 SPOT B 178 SPOT C 181 SPOT D 182 ME1 PGM 197 ME1 PRV 198 ME2 PGM 199 ME2 PRV 200 ME3 PGM 199 ME3 PRV 200 DVE 199 TELE 199 STILL-1 199 STILL-2 200 STILL-3 200 STILL-4 200 STILL-5 200 STILL-6 200 STILL-7 200 STILL-8 200

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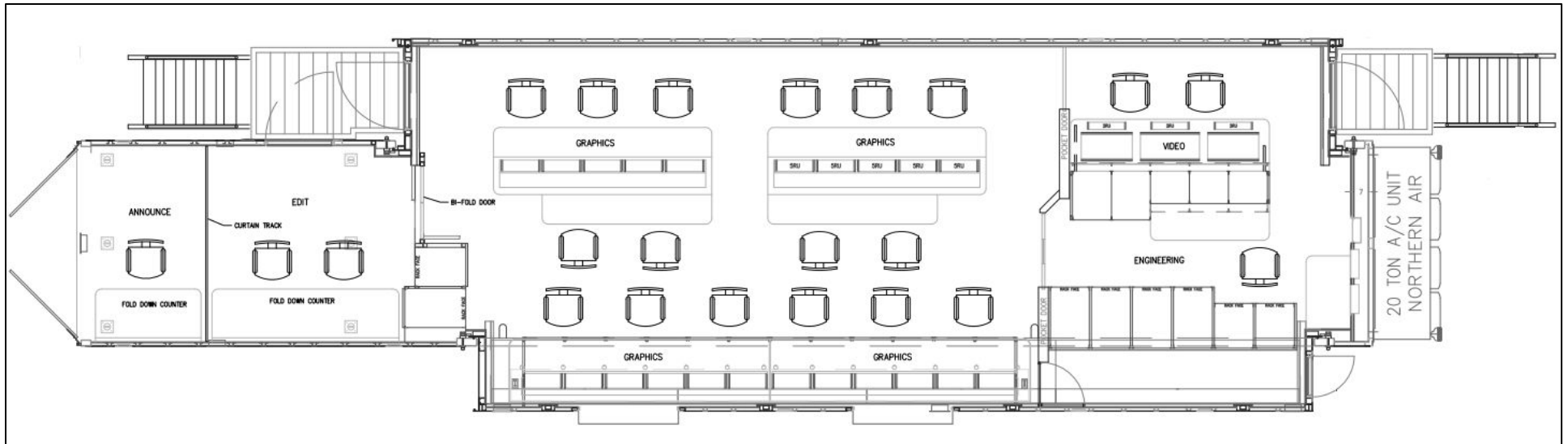


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B-20: Required with GTX-20



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