



# MU-3

## 45' 3G SINGLE EXPANDO OVERVIEW

### Production

- Grass Valley K-Frame 3G Switcher
- Kayenne 4 Stripe 35 Button Panel
- 5 M/E, 96 Inputs, 48 Outputs
- FlexiKey, Double Take and Chroma Key
- 12- IDPM, 4- EDPM and 2D DPM
- Image Store w/movies

### Record & Playback

- (1) EVS XT3 12ch LSM Dual User Server
- (2) EVS XT3 8ch LSM Server
- (1) EVS XT3 6 Channel RO/Spotbox w/ Lance Controller
- (1) EVS X-file3 w/ 10G File Network
- (1) EVS X-hub3

*\*\*Wired for 34 channels of EVS\*\**

### Camera Equipment

- (10) Grass Valley LDX 86 3G Triax Worldcams
- (6) Grass Valley Super XPanders w/7" Viewfinders
- (2) Fujinon 107x8.4 HD Lens
- (1) Fujinon 101x8.9 HD Lenses
- (2) Fujinon 80x8.9 HD Lenses
- (1) Fujinon 72x9.3 HD Lenses
- (1) Fujinon 18x5.5 Servo Zoom Lens
- (1) Fujinon 17x7.6 Servo Zoom Lens
- (2) Fujinon 13x4.5 Wide Angle Lens
- (6) Vinten Vector 70 Pan Heads w/Tripods
- (4) Cartoni Gamma ENG Pan Heads w/Tripods

*\*\*Wired for 12 CCU's\*\**

*\*\*Other Camera and Lens configurations available\*\**

### Audio

- Calrec Artemis Light Bluefin 2
- 56 Fader Digital Audio Console
- 64x64 Analog
- 64x64 AES
- 64x64 DANTE
- 256x256 Mono Madi Channels

*Hydra 2 - 24 x 8 Fiber Audio Field Boxes*  
*Dante Fiber Audio Booth system available upon request*

### Communications

- 208 x 208 RTS Adam Matrix Intercom Including
- 64 OMNEO CH's,
- 16 RVON CH
- 32 MADI Channels
- 8 Powered PL Channels
- 6 Powered IFB Channels
- (15) Dual Listen BP325 Boxes
- (9) IFB 4030 Boxes
- (15) Single Muff Headsets
- (5) Dual Muff Headsets
- (4) RTS Telephone Interfaces
- (4) QKT Audio Couplers

### Routing & Terminal

- Evertz EQX 3G Video Router (280x474)
- Includes:
- 96x64 Embedding, Dis-embedding
- 16x16 Fiber to External I/O
- 18 Internal Frame Syncs w/ De-embedding
- Evertz EMR Audio Router
- 1024x1024 Madi
- 96x96 Mono AES
- 192x384 Mono Analog
- 246x32 Multiview Capacity
- (34) Framesyncs
- 30 AJA FS-HDRs
- 1 FS4 Frame sync w/CC
- (8) TX Processors w-U/D/C

### A/V Support

- (5) HMD26 Annc Headsets
- (5) Studio Tech Annc Boxes
- (5) MD46 Stick Mics
- (6) MKH416 Shotgun Mics
- (6) MKH870 Long Shotgun Mics
- (4) MKH418 Stereo Shotgun Mics
- (4) 15" SDI Monitors
- (4) 21" SDI Monitors
- (2) LED Light Kits

### Cable Inventory

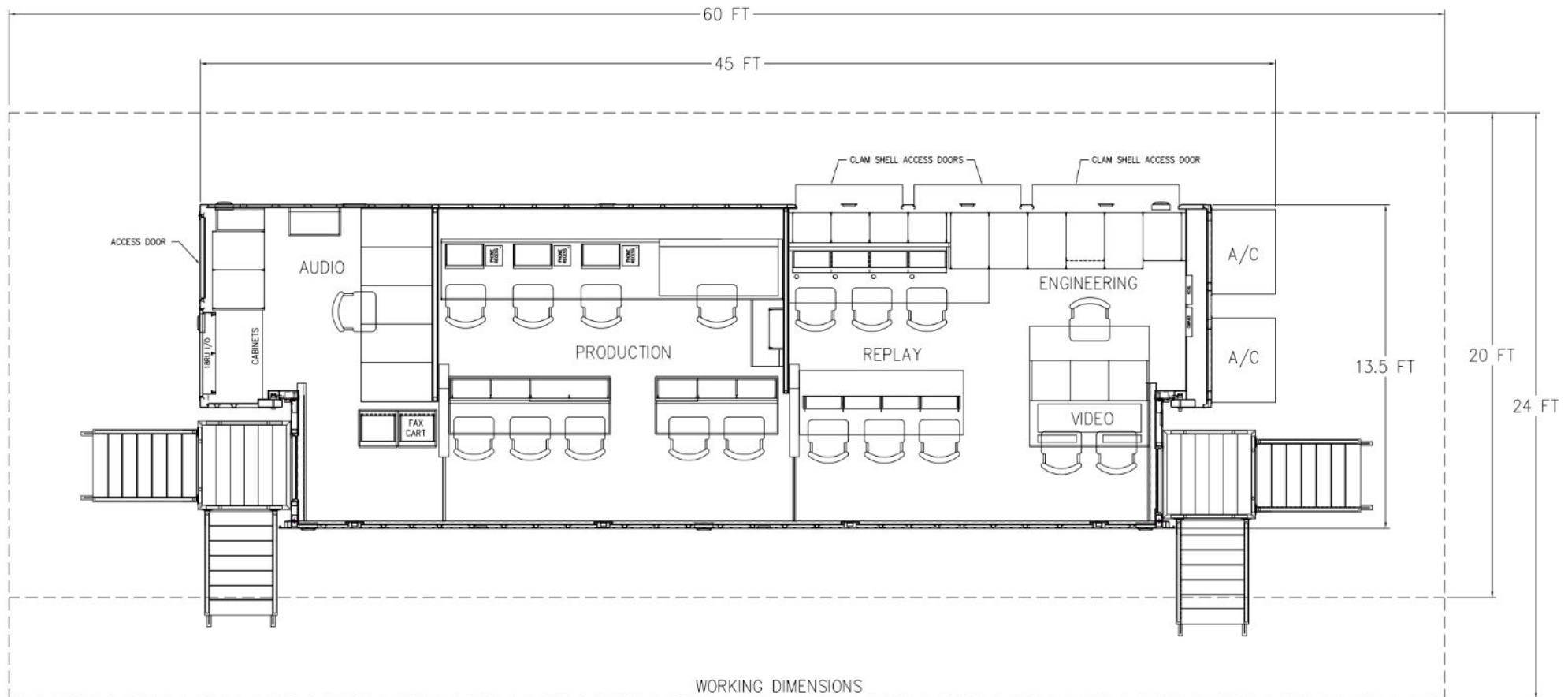
- 7000' Triax Cable
- (2) 6x Triax Mults
- 2450' DT12 Audio Mult
- 600' 6 Pair Audio Snake
- 3125' Audio Cable
- 3125' Single Coax
- (3) 100' 10 Wire Coax Loom
- (1) 1000' (1) 500', (5) 250', (3) 100' TAC 12 Cable

### Power Requirements

- Three Phase, 190-240 Volts, 200A Service
- 200' Feeder Cable

### Truck Dimensions

- 43'L x 8.5'W with 36'L x 5'W Expansion
- 78' Overall Length, 80,000# GVW



| MONITOR 1A |    |    |    | MONITOR 2A |   |   |   | MONITOR 3A |   |         |   | MONITOR 4A |   |    |         | MONITOR 9A (P2-CG) |         |   |
|------------|----|----|----|------------|---|---|---|------------|---|---------|---|------------|---|----|---------|--------------------|---------|---|
|            |    |    |    |            |   |   |   |            |   | 12:00PM |   |            |   |    | 12:00PM |                    | 12:00PM |   |
| 1          | 2  | 3  | 4  | 1          | 2 | 3 | 4 | 1          | 2 |         | 3 | 4          | 1 | 2  | 3       | 4                  | 1       | 2 |
|            |    |    |    | 12:00PM    |   |   |   | 5          | 6 | 7       | 8 | 9          | 5 | 6  | 7       | 8                  |         |   |
| 5          | 6  | 7  | 8  | PROGRAM    |   | 5 | 6 | PROGRAM    |   | PREVIEW |   |            |   | 10 | 11      | 12                 | 3       | 4 |
|            |    |    |    |            |   |   |   |            |   |         |   |            |   |    |         |                    |         | 5 |
| 9          | 10 | 11 | 12 | 7          |   | 8 | 9 | 10         |   | 11      |   | 13         |   | 14 | 15      | 16                 | 6       | 7 |

| MONITOR 5A |    |    |    | MONITOR 6A |    |    |    | MONITOR 7A |    |    |    | MONITOR 8A |         |    |    |    | MONITOR 9B (P3-BUG) |         |   |
|------------|----|----|----|------------|----|----|----|------------|----|----|----|------------|---------|----|----|----|---------------------|---------|---|
|            |    |    |    |            |    |    |    |            |    |    |    |            |         |    |    |    |                     | 12:00PM |   |
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| 5          | 6  | 7  | 8  | 5          | 6  | 7  | 8  | 5          | 6  | 7  | 8  | 11         | 12      | 13 | 14 | 15 | 3                   | 4       | 5 |
|            |    |    |    |            |    |    |    |            |    |    |    |            |         |    |    |    |                     |         |   |
| 9          | 10 | 11 | 12 | 9          | 10 | 11 | 12 | 9          | 10 | 11 | 12 | 16         | 12:00PM |    |    |    | 6                   | 7       | 8 |

**SWITCHER INPUTS**
**SWITCHER OUTPUTS**
**SWITCHER GPO's**

| IN | Default | Show Name | Operator | Source | IN | Default  | Show Name | Operator | Source | OUT | Default  | OUT | Default  |
|----|---------|-----------|----------|--------|----|----------|-----------|----------|--------|-----|----------|-----|----------|
| 1  | CAM 1   |           |          |        | 25 | EVS 2B   |           |          |        | 1   | SS-1     | 25  | AUX-7    |
| 2  | CAM 2   |           |          |        | 26 | EVS 3A   |           |          |        | 2   | SS-2     | 26  | AUX-8    |
| 3  | CAM 3   |           |          |        | 27 | EVS 3B   |           |          |        | 3   | SS-3     | 27  | AUX-9    |
| 4  | CAM 4   |           |          |        | 28 | EVS 4A   |           |          |        | 4   | SS-4     | 28  | AUX-10   |
| 5  | CAM 5   |           |          |        | 29 | EVS 4B   |           |          |        | 5   | SS-5     | 29  | AUX-11   |
| 6  | CAM 6   |           |          |        | 30 | EVS 5A   |           |          |        | 6   | SS-6     | 30  | AUX-12   |
| 7  | CAM 7   |           |          |        | 31 | EVS 5B   |           |          |        | 7   | SS-7     | 31  | AUX-13   |
| 8  | CAM 8   |           |          |        | 32 | CG 1 F   |           |          |        | 8   | SS-8     | 32  | AUX-14   |
| 9  | CAM 9   |           |          |        | 33 | CG 1 K   |           |          |        | 9   | ME 1 PGM | 33  | AUX-15   |
| 10 | CAM 10  |           |          |        | 34 | CG 2 F   |           |          |        | 10  | ME 1 PVW | 34  | AUX-16   |
| 11 | CAM 11  |           |          |        | 35 | CG 2 K   |           |          |        | 11  | ME 2 PGM | 35  | AUX-17   |
| 12 | CAM 12  |           |          |        | 36 | CG 3 F   |           |          |        | 12  | ME 2 PVW | 36  | AUX-18   |
| 13 | CAM 13  |           |          |        | 37 | CG 3 K   |           |          |        | 13  | ME 3 PGM | 37  | AUX-19   |
| 14 | CAM 14  |           |          |        | 38 | BUG 1 F  |           |          |        | 14  | ME 3 PVW | 38  | AUX-20   |
| 15 | CAM 15  |           |          |        | 39 | BUG 1 K  |           |          |        | 15  | PROGRAM  | 39  | AUX-21   |
| 16 | CAM 16  |           |          |        | 40 | BUG 2 F  |           |          |        | 16  | CLEAN    | 40  | AUX-22   |
| 17 | VTR A   |           |          |        | 41 | BUG 2 K  |           |          |        | 17  | PREVIEW  | 41  | AUX-23   |
| 18 | VTR B   |           |          |        | 42 | TELE F   |           |          |        | 18  | PRESET   | 42  | AUX-24   |
| 19 | VTR C   |           |          |        | 43 | TELE K   |           |          |        | 19  | AUX-1    | 43  | AUX-25   |
| 20 | VTR D   |           |          |        | 44 | RTR FEED |           |          |        | 20  | AUX-2    | 44  | AUX-26   |
| 21 | VTR E   |           |          |        | 45 | RTR FEED |           |          |        | 21  | AUX-3    | 45  | AUX-27   |
| 22 | EVS 1A  |           |          |        | 46 | LHN4     |           |          | LHN4   | 22  | AUX-4    | 46  | ME 1 CLN |
| 23 | EVS 1B  |           |          |        | 47 | BLACK    |           |          |        | 23  | AUX-5    | 47  | ME 2 CLN |
| 24 | EVS 2A  |           |          |        | 48 | BARS     |           |          |        | 24  | AUX-6    | 48  | ME 3 CLN |

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>PGM 2 IS USED FOR TX  
>SWITCHER OUT 16 IS CLEAN