

53' 4K-UHD-HD EXPANDO PRODUCTION UNIT

PMTV-658A4

TECHNICAL DATA SHEET

PRODUCTION

- Grass Valley Kayenne K-Frame 5 M/E Production Switcher
- **3G-HD:** 160x64 I/O
- **4K-UHD:** 40x16 I/O
- 8 iDPM Channels
- Double Take
- 10-Channel Internal Still Store
- Grass Valley Korona 2 M/E Panel - *2nd Screen or Alt TX Feeds*

MONITOR WALL

- 3 – 31" 4K/UHD/HDR LCD Monitors - *Program/Preview/Preset*
- 3 – 32" MultiView Camera/Source Monitors
- 6 – 49" MultiView Monitors

PRODUCTION CONTROL ROOM

- 16 Production Positions
- Routable Monitoring
- Magellan Router Control Panel
- KP-32 Intercom Panels, Mics & Headsets
- Stereo Audio Monitoring

VIDEO CONTROL ROOM

- 3 Video Shader Positions
- 2 – Boland 25" OLED Monitors
- 1 – Boland 31" 4K/HDR LCD Monitors
- 30 – Boland 7" Source Monitors
- 2 – Tektronix 4K/HDR Waveform/Vector Scopes
- 1 – Cobalt Color Correction Controller
- 4 – Cobalt 3G Color Correctors
- 3 – RTS KP-32 Intercom Panels
- 1 – Stereo Audio Monitoring

CAMERAS – LENSES – SUPPORT

- Wired for (16) 4K/UHD/HD Cameras
- 10 – Sony HDC-4300 4K/HD/HFR Cameras
- 10 – Sony HDCU-2500 Camera Control Units
- 10 – Sony BPU-4000 Base Band Processor Units
- 10 – Sony RCP-1500 Remote Control Panels
- 1 – Sony MSU-1500 Master Setup Unit
- 2 – Marshall POV 3G Cameras w/ Remote Paint Control
- 4 – Fujinon UA 107x8.4 Premier 4K/UHD Lenses
- 6 – Fujinon UA 22x8 Plus Premier 4K Lenses
- 2 – Fujinon UA 13x4.5 Plus Premier 4K Lenses
- 4 – Sony HDLA-1505 Large Lens Adapters
- 4 – Vinten Vector 750 Heavy-Duty Fluid Heads
- 4 – Sachtler 25 Carbon Fiber Tripods
- 2 – Sachtler 3-Wheeled Dollies
- 6 – Sony 7" OLED Studio Viewfinders
- *Additional Cameras, Lenses & Equipment Available Per Request*
 - Specialty Camera Systems Available By Request:
 - Sony CineAlta PMW-F55 4K Cameras
 - Sony CA-4000 4K Fiber Transmission Camera Adapter
 - Panasonic AW-HE130 HD Super-PTZ Cameras
 - Panasonic AK-HRP200G Remote Operation Panel
 - Panasonic AW-RP120 Remote Camera Controller

REPLAY – RECORD

- Wired for (4) EVS 12-Channel XT4K Servers
- Wired for Any Combination of (24) 4K/HD Ki Pro
- 2 – EVS XT4K 12-Channel UHD/HD w/ LSM & EVS Connect
- 1 – EVS XFile3 w/ 10Gb Network
- 1 – Ross Abekas Mira 8-Channel Video Server
- 16 – AJA Ki Pro Ultra Recorders
- 1 – AJA Ki Pro GO or Simply Live MMR-110 Recorders
- *Additional Ki Pro's Available Per Request*

AUDIO SUITE

- Calrec Artemis Light Digital Mixing Console
- 56 Fader Panel
- 240 Channel DSP
- 40 Mic/Line I/P, 40 Line O/P
- 24x24 AES I/O
- 2 – MADI 64x64 I/O
- 1 – Dante 64x64 I/O
- 1 – Yamaha SPX2000 Digital Effects Processor
- 1 – Cedar DNS 8 Live 8-Channel Noise Suppressor
- 2 – DigiCart/EX w/ Remote
- 1 – Denon CD Player
- 1 – Denon MP3 Solid State Recorder
- 2 – PIX 270i 64-Channel MADI Recorders- *ISO Audio Recording*
- **EXTERNAL FIBER I/O STAGE BOXES:** SM Fiber x4
- 2 – Calrec Hydra2 48x16 Analog I/O Stage Boxes
- 1 – Calrec Hydra2 24x8 Analog I/O Stage Boxes
- 1 – Calrec Hydra2 16x16 AES I/O Stage Boxes

GRAPHICS

- **4K-UHD:** (2) 1-Channel
- **3G-HD:** (2) 2-Channel
- Chyron Mosaic & Ross XPression Available

COMMUNICATIONS

- RTS ADAM 168-Port Intercom System
- 4 – RTS TIFF-2000A Phone Interfaces
- 4 – Telos Phone Hybrids
- 8 – RTS Powered IFB Channels
- 12 – RTS Powered Two-Wire PL Channels
- 12 – Four-Wire Channels on I/O
- 8 – RTS 4030 IFB Stereo Beltpacks
- 16 – RTS BP-325 Dual-Channel Beltpacks
- 16 – RTS Single Muff Headsets
- 8 – RTS Double Muff Headsets
- 10 – David Clark Double Muff Headsets
- 10 – David Clark Single Muff Headsets
- 4 – RTS SPK-300 Dual Listen Biscuit Box
- 4 – Daltech Announcer Talkback Box
- 4 – Sennheiser HMD-25 Announcer Headsets
- 4 – Sennheiser MKH 70 Shotgun Microphones
- 10 – Sennheiser MKH 416 Shotgun Microphones
- 6 – Sony ECM-77B Lavalier Microphones
- 6 – Sennheiser MD46 Handheld Microphones
- 2 – RTS KP-32 User Stations w/ RVON
- 2 – RTS KP-12 User Stations w/ RVON
- 2 – CommLink FXC-S201 Single Mode Fiber Extender
- 2 – RTS RVON-8 Remote Boxes w/ RJ & XLR Connectors

ANNOUNCE BOOTH KIT

- Dante Over Fiber
- 4 – Studio Technologies Model 214 Announce Console
- 4 – Sennheiser HMD26-II Announce Headset
- 8 – IFB Earset Kits

FIELD MONITORS

- 6 – Boland 20" HD-LCD Monitors & Desk Stand
- 2 – Sony 17" OLED Monitors & Desk Stand
- 1 – Boland 31" 4K/UHD LCD Monitor
- *Additional Monitors Available Per Request*

ALL MOBILE UNITS INCLUDE STAFF ENGINEERS.

ADDITIONAL EQUIPMENT IS AVAILABLE PER CLIENT REQUEST. CONTACT PMTV'S ACCOUNT EXECUTIVES FOR PRICING & AVAILABILITY.

TECHNICAL DATA SHEET

TERMINAL EQUIPMENT

- Imagine Communications Platinum IP3 Router
- 533x622 3G I/O
- 80 Embedders, 70 De-Embedders
- 32x32 SM Fiber I/O
- 4 – Harris 64x6 Built-In MultiViewers
- 6 – AJA FS4 4-Channel Frame Syncs
- 2 – AJA FS4-HDR 4-Channel Frame Syncs w/ HDR Features
- 2 – Blackmagic Teranex 12G Frame Syncs- Up/Down/Cross Convert
- 4 – Cobalt 3G Color Correctors
- 4 – Cobalt 3G-4K to HD Converters
- 2 – Cobalt Time Code Burners
- 14 – Utility Distribution Amplifier
- ADDITIONAL OUTDOOR CONVERSION GEAR:
- 10 – AJA Hi5-3G HD-SDI/HDMI Converter
- 2 – AJA HA5 HDMI/HD-SDI Converter
- 6 – AJA HD10DA 1x6 HD Distribution Amplifier
- 2 – AJA HDP HD/SDI - DVI Converter
- 6 – Cobalt Blue Box Dual Fiber Converter Units: 12-Ch TX-RX
- 8 – Telecast Rattler Fiber Converter Units: 8-Ch TX-RX
- 4 – Decimator MD-HX Converter

REAR I/O PANEL

- 32x32 Single-Mode ST Fiber/BNC Router I/O
- 8x8 4K/UHD BNC Router I/O
- 128 BNC Tie Lines
- 4 – TX BNC & ST Fiber O/P
- 16 – Multed SAP O/P
- 8 – Powered IFB O/P
- 8 – ADAM RJ-45 Ports
- 2 – ADAM Ports on SM Fiber
- 12 – 4-Wire Ports
- 5 – Calrec Hydra2 SM ST Fiber Connections
- 6 – DT-12 Female Connections
- 6 – DT-12 Male Connections

POWER REQUIREMENTS

- 400A, 3-Phase, 208-240V or 200A, 3-Phase, 208-240V
- 4 – 50' & 75' Camlok Sets- Red, Blue, Black, Green

CABLE

- 2 – 1000' TAC-12 - *On Reel*
- 4 – 500' TAC-12
- 4 – 250' TAC-12
- 4 – 500' SMPTE
- 10 – 250' SMPTE
- 10 – 100' SMPTE
- 6 – 50' SMPTE
- 10 – Telecast SHED or MultiDyne HUT Adapter Sets
- VIDEO MULTS:
- 2 – 125' 6-Wire BNC
- 2 – 75' 6-Wire BNC
- 2 – 50' 6-Wire BNC
- 2 – 25' 6-Wire BNC
- AUDIO MULTS:
- 6 – 250' DT-12 Audio Cables - 12 Pair
- 4 – 125' DT-12 Audio Cables - 12 Pair
- 2 – 75' DT-12 Audio Cables - 12 Pair
- 4 – DT-12 F/M XLR Fanouts - 12 Pair
- 4 – DT-12 M/F XLR Fanouts - 12 Pair
- 4 – DT-12 Feed Through XLR Stage Boxes
- 4 – 50' XLR 8-Channel Audio Snakes
- 4 – 25' XLR 8-Channel Audio Snakes
- 4 – 25' XLR 4-Channel Audio Snakes
- 2 – 50' XLR 4-Channel Audio Snakes

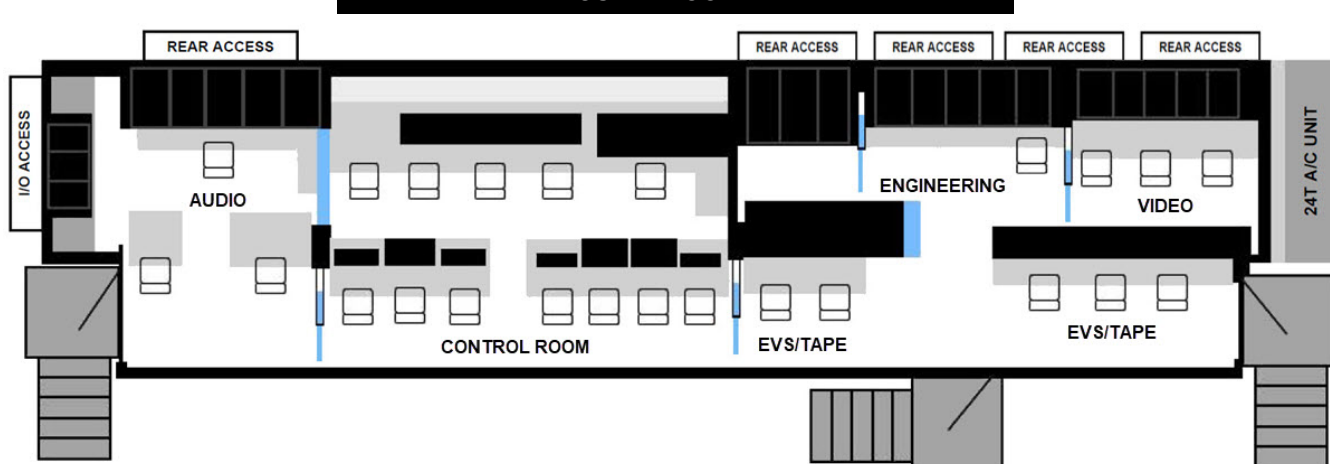
MISCELLANEOUS

- Apple TV Device
- Winegard Portable Satellite Antenna w/ DISH Network Receiver
- DNF ST600-KIPRO IP Controller
- PlaybackPro Controller
- Laptop & Various Software Available
- *Additional Equipment Available per Advanced Request*

CHASSIS SPECIFICATIONS

- Dimensions: 53' L, 8'6" W, 13'6" H
- Working Footprint: 70' x 24' - Expanded, Without Tractor

LAYOUT – FLOORPLAN



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PRODUCTION CONTROL ROOM



GRASS VALLEY KAYENNE K-FRAME SWITCHER



PRODUCTION CONTROL ROOM



CAMERA CONTROL PANEL



VIDEO



EVS

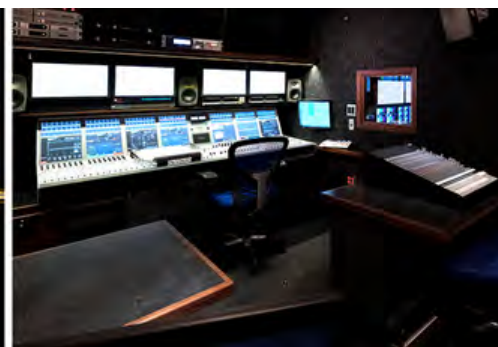
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5.1 SURROUND SOUND AUDIO SUITE



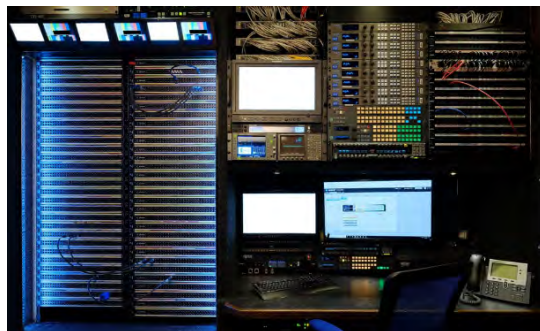
CALREC ARTEMIS LIGHT AUDIO CONSOLE



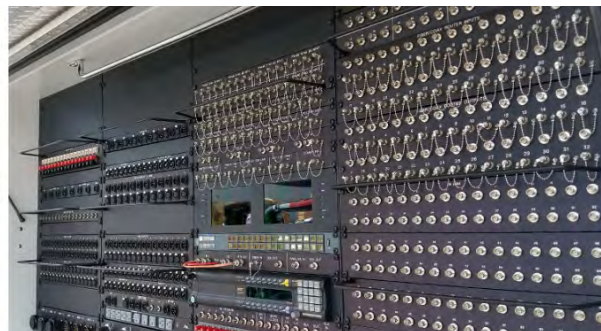
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SECOND CALREC AUDIO CONSOLE



ENGINEERING BAY



I/O PATCHBAY

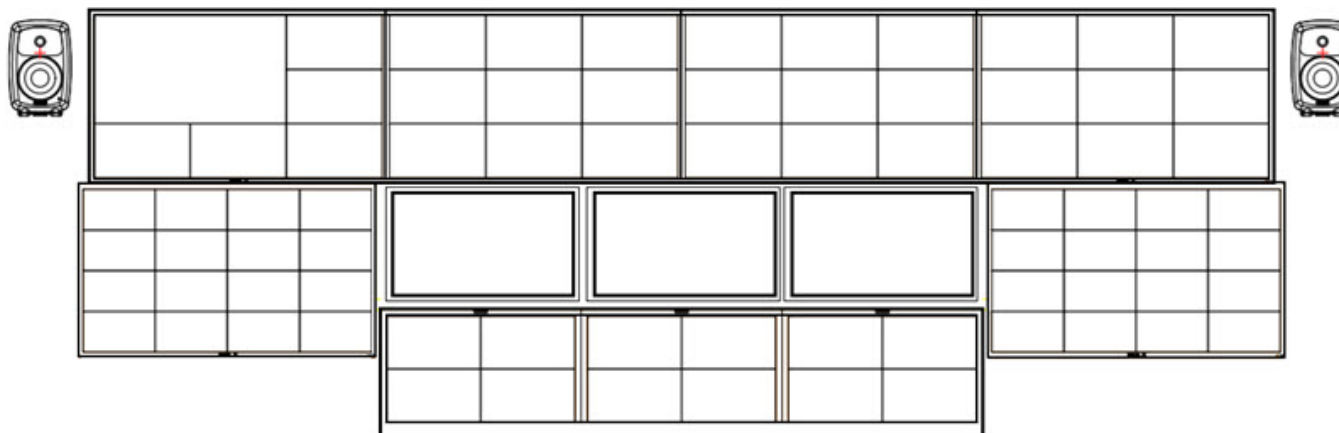


GRASS VALLEY KORONA SWITCHER



SONY 4K CAMERA & FUJI 4K PREMIERE LENS

PRODUCTION MONITOR WALL



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