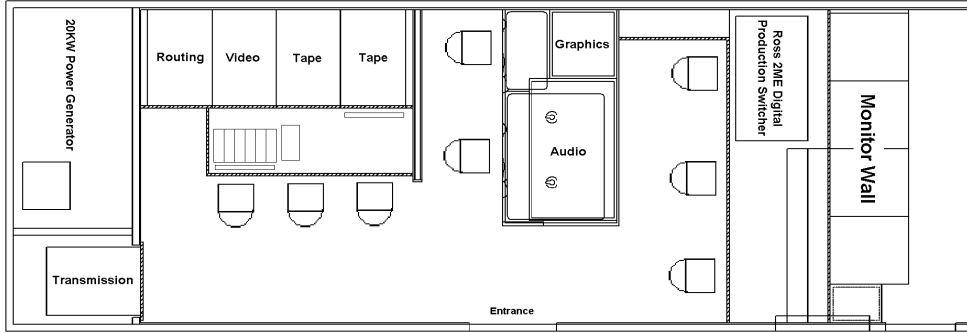




# Universal Satellite Communications Inc.

## TES 2 High Definition Mobile Satellite Production Unit



### Equipment List

#### Cameras

5 Grass Valley LDK 8000 Elite 720P/1080i  
 WorldCam option including 1080P  
 Handheld or studio configuration  
 Traix base station with OCP  
 MCP Master setup panel with auto setup  
 Studio kits with 7 inch LCD rear viewfinder  
 up to 6 triax cameras (pre wired)

#### Lenses

3 HD Fujinon 22X7.6 with 2X extender  
 2 HD Fujinon 12X4.5 wide angle  
 Servo rear lens control

#### Video Switcher

Ross Synergy 2 HD/SD production switcher:  
 24 inputs  
 2 mix/effects  
 6 Keyers  
 12 auxiliary buses (6 timed)  
 2D Digital Squeeze DVE  
 Full tally routing

#### Video Special Effects

On request

#### Recording Formats

2 AJA KiPro Rack Digital Recorders  
 Fast Forward Omega HD 2 Channel recorder  
 Panasonic HD P2 Recorder/Player  
 Panasonic HD AVCAM Recorder  
 Panasonic DMR E20 DVD recorder  
 6 channel EVS server (on request)  
 DNF 3000 slow motion controller with T bar  
 Evertz 5010 master time code generator  
 VITC/LTC reader  
 character inserter  
 jam sync to GPS master clock system  
 Prewired for 8 HD recorders

#### Graphics

Duet or Decko graphics (on request)

#### Production Monitor Wall

4 Samsung 40" LED 1080P displays  
 2 Miranda Kaleido-X 16 input HD/SD multiviewers

#### Audio System

Presonus 24:4:2 Digital Audio Mixer  
 24 inputs  
 4 sub outputs  
 8 aux outputs  
 Insert & send on each channel input  
 Digicart II Plus with ZIP drive  
 remote control RD 220  
 Tascam CD-01U-CD with MP3 playback  
 2 DT 12 audio interfaces in I/O panel  
 8 Sound Devices MP-1 mic to line amp  
 4 Clearcom AB-100 talkback boxes  
 4 Sennheiser announcer headsets

#### Microphones

2 Beyer Dynamic M58 handheld mic  
 2 Sennheiser MD 46 handheld mic  
 2 Sony ECM 66B lavalier mic  
 2 Sony ECM 55B lavalier mic  
 4 Sony ECM 44B lavalier mic  
 5 camera mounted shotgun mics  
 2 Sennheiser 416 shotgun mics

#### Communications

RTS Zeus digital intercom system  
 (24X24 matrix 3 external wet ports)  
 2 line RTS TIF telephone interface  
 3 RTS KP-32 master panels  
 2 RTS KP-12 panels with foot switches  
 10 RTS BP-325 Intercom box with headset  
 RTS 6 channel IFB system with 10 drops  
 NST wireless IFB system  
 Clearcom intercom interface (TW-12B)  
 Telos 100 2 channel digital telephone hybrids  
 2 Studio Technologies 2 channel IFB mixer/hybrid  
 Panasonic 12 line telephone system  
 full telephone patching  
 4 Telular mobile phones on Sprint Network  
 2 Westinghouse satellite telephones  
 Verizon 3G wireless internet access with WIFI  
 Motorola VHF 2 way radio system  
 2 base station (audio & intercom)  
 6 handheld radios with headsets  
 4 mountain top repeaters w/ dialup (LA area)  
 FCC licensed on 12 VHF channel's  
 Kenwood P25 UHF Base Radio

#### Terminal

Pesa 32X32 Cougar routing switcher  
 4 level HD/SD/analog video/stereo audio  
 DK Technologies HD Master sync generator w/moving pattern  
 5 Harris X50 HD synchronizers with audio delay  
 Harris X-75 remote control  
 1 AJA FS 1 frame synchronizer  
 10 AJA MD3 HD intake DA with downconverter  
 Tektronix 1740A analog waveforms with audio  
 Leader HD waveform with audio  
 AJA/Colbalt HD signal distribution  
 Ross digital and analog distribution  
 Ross remote control audio DA's (600 ohm)

#### Satellite Transmission

Andrew 2.4 KU satellite antenna with GPS  
 4 port feed with no polarity restrictions  
 ETM phase combiner redundant switch/dual path  
 2 ETM 450 watt KU satellite amplifiers  
 2 Advent upconverters with L-band test loop  
 2 ATEME CM5000 MPEG 2/4 8/10 bit Encoders  
 16 Audio Channels  
 2 Tandberg 5788 MPEG 2 HD encoders 4:2:2/4:2:0  
 4 Audio Channels  
 2 DISH Network DSS receivers  
 4 Tandberg RX 1290 IRD's

#### Cabling

5,000 ft. Traix  
 1,000 ft. DT-12 with breakout box and tails  
 1,000 ft TAC-4 Fiber with 4 Rattler kits  
 500 ft Hybrid TAC-2, SDI Coax & 3 audio  
 16/8 Channel Roland Digital Audio Snake (on request)

#### Dimensions

33'L x 8'4"W x 13'4"H weight: 33,000 lbs.  
 38'L x 14'W x 13'4" H (working area, ant. stowed)

#### Power Requirements

onboard Kohler 20KW diesel power generator  
 150 amps single phase 208-240 volts  
 100 foot power cable with bare wire pigtail  
 175 gallon fuel tank

#### Contact

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