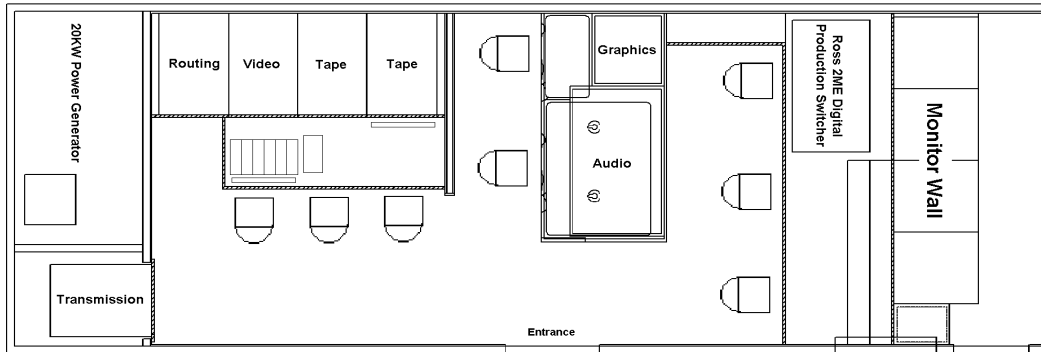




# Universal Satellite Communications Inc. TES 2 Digital Satellite Production Unit

2/4/2002



## Equipment List

### Cameras

5 Ikegami HL-59W Digital 16:9 Cameras  
Handheld or studio configuration  
593 Triax base station  
Full studio kits with 5 inch rear viewfinders  
MCP Master setup panel with auto setup  
up to 6 Triax cameras (pre wired)

### Lenses

4 Fujinon 22X7.8 w/x2 extender 16:9  
1 Fujinon 10X4.8 w/x2 extender 16:9  
Servo Rear lens control

### Video Switcher

Ross Synergy 2 serial digital 4:2:2 with:  
simultaneous 4:3 and 16:9 production  
36 inputs  
2 mix/effects  
E-MEM floppy drive  
4 Chroma Keyers  
12 auxiliary buses (6 timed)  
4 2D Digital Squeeze DVE  
VTR control (4 machine)  
Digicart effect control (audio server)  
Full tally routing

### Video Special Effects

Devous 2 channel 3D DVE (on request)

### Video Tape

2 Sony DVW-500A Digital Betacam recorders  
2 Sony PVW-2800 Betacam SP recorders  
Panasonic DMR E20 DVD recorder/player  
Sony VHS HIFI recorder  
EVS 4 channel server (on request)  
1 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

### Graphics

Chyron Digital 601 V.12 dual channel MAX 16:9  
camera capture  
intelligent interface  
250 MB Zip drive  
Still Store (on request)

### Audio System

Mackie 24/8 stereo console w/ meter bridge  
24 inputs  
8 sub outputs  
6 aux outputs  
Insert & send on each channel input  
Insert & send on each sub group  
Insert & send on main stereo output  
Full patching  
1 DBX 1066 stereo compressor/limiter  
2 DBX 1066 4 channel compressor/limiter  
Digicart II Plus with ZIP drive  
remote control RD 220  
Tascam DA-40 DAT Recorder  
Denon DN-T620 CD player with cassette  
2 DT 12 audio interfaces in I/O panel  
4 Shure FP23 mics to line amps  
4 Clearcom AB- 100 talkback boxes  
4 Sennheiser announcer headsets  
Microphones  
2 Beyer Dynamic M58 handheld mic  
2 Sony ECM 66B lavalier mic  
2 Sony ECM 55B lavalier mic  
4 Sony ECM 44B lavalier mic  
5 camera shotgun mic  
2 additional 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  
RTS 6 channel IFB system with 10 drops  
NST 2 channel 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  
5 Motorola Cellular phones with FAX interface  
2 Westinghouse satellite telephones with FAX  
2 Qualcomm PCS digital phones (Sprint)  
Motorola VHF 2 way radio system  
3 base station (audio,engineer,TX, intercom)  
6 handheld radios with headsets  
licensed on 3 VHF channel's

### Production Area Monitors

2 Ikegami TM30 20 inch digital color monitors  
10 Ikegami 9 inch B/W 16:9 monitors  
18 Ikegami 5 inch color monitors  
4 Ikegami 9 inch color monitors 16:9  
Torpey GPS master clock system (4 inch display)

### Terminal

Pesa 32X32 digital/analog/audio routing switcher  
PTV Master sync generator with 19:9 patterns  
2 DPS 475 frame synchronizers with audio delay  
3 DPS 470 frame synchronizers with audio delay  
DPS RC-4000 remote control  
5 Ross frame synchronizers (analog to digital)  
5 Ross digital to analog converters  
3 Tektronix 1740A analog waveforms with audio  
2 Tektronix serial digital waveforms  
Ross digital and analog distribution  
Ross remote control audio DA's (600 ohm)

### Satellite Transmission

Andrew 2.4 KU satellite antenna with GPS  
ETM Phase combiner redundant switch/dual path  
2 ETM 450 watt KU satellite amplifiers  
2 Advent upconverters with test loop  
2 Advent Analog modulators  
up to 6 audio subcarriers per path  
2 Tiernan TE6000 digital encoders 4:2:2 or 4:2:0  
up to 4 channels of audio per path  
2 Sony DSS receivers with auto acquire antenna  
2 DX DIR 657 Videocipher satellite receivers  
Standard Intercontinental satellite receiver

### Dimensions

33'L x 8'4"W x 13'4"H weight: 33,000 lbs.  
40'L x 18'W x 13'4" H (working area, ant. stowed)

### Power Requirements

onboard Kouler 20KW diesel power generator  
200 amps single phase 220 volts  
100 foot power cable

### Contact

13426 Rosecrans Ave. Unit C, Norwalk CA 90650  
Phone: (909) 943-4750 FAX: (909) 943-0263  
email: info@unisatmobile.com  
website: www.unisatmobile.com