



TRUCK OF THE MONTH:

SDTV's EXPANDOLINK



www.sportstvproduction.com

Sports TV PRODUCTION

AUGUST/SEPTEMBER 2003



VENUE REPORT
Reliant Stadium

FPO

THE U.S. OPEN

Tempo Is Everything

- ALSO...
- » Spotlight On Fiber & Microwave
 - » Creative Sports Directing

The Xfactor

ESPN's X Games IX



FPO



SportsTV
PRODUCTIONS

[TRUCK of the MONTH]



PHOTOS BY CHIP MOORE

SDTV EXPANDOLINK

ExpandoLink is the nation's first expanding digital production truck with built-in satellite uplink capability. ExpandoLink's design, layout, and versatility make it one of the most unique trucks available for multi-camera live events.



EXPANDOLINK SPECIFICATIONS

OWNER: Satellite Digital Teleproductions (SDTV); San Diego, Los Angeles, Las Vegas, San Francisco, & Phoenix

BUILDER: Gerling & Associates

SIZE: 40-foot Expando, 8.5-foot width, 13.4-foot height

EXPANSION: 15- x 4-foot

FIRST USE: September 29, 2002

Major League Baseball, Seattle Mariners vs. Anaheim Angels, Edison International Field, Anaheim, CA

FPO

CAMERAS

(Wired for 8 cameras)

- 6 Sony BVP-570
- 2 Sony CCU-700A triax CCU
- 4 Sony CCU-550 triax CCU
- 4000 feet of triax cable (additional available)

LENSES

- 6 Canon 18x1 lenses w/internal focus

CAMERA SUPPORT

- 6 Cartoni Delta two stage tripods w/fluid heads

VIDEO SWITCHER

- 1 Sony DVS-7350 component digital switcher, 36 input, 3.5 M/E
- 1 Sony DMK-7000 digital multi keyer
- 1 Sony DME-3000 2-channel DVE

GRAPHICS

- 1 Abekas stillstore system
- 1 Chyron iNFiNiTi! with Transform II, 3 extended frame buffers, intelligent interface, version 12 software, 060 processor, TV store, 230 Bernoulli drive, 2-gig Jazz 250-meg zip drives
- 1 2nd bench graphics station with 5 color monitors, RTS 803 master station with 2 RM-325 user station for intercom
- 2 Router controls, 4-channel Wohler audio monitor

ROUTERS

- 1 Sony DVS 64 x 64 SDI video router
- 1 PESA Cougar 32 x 32 stereo analog audio router
- Router control by Sony VAIO computer

AUDIO CONSOLE

- 1 Allen & Heath ML4000 40-input audio console

AUDIO SUPPORT

- 8 VCA/8 Group/12 Aux/2 Router outputs
- 2 DBX 266XL dual-channel compressor gates
- 2 DBX 166XL dual-channel compressor limiter/gates
- 1 Digicart II+ with zip
- 1 MDS-B5 Sony Mini Disc
- 1 Stanton S-500 professional dual CD Player
- 2 Telos (One + Ones)
- 2 Telos Links, for intercom
- 1 DK Stereo phase scope & analyzer with LCD display
- 2 Genelec Nearfield powered bi-amplified speakers
- 4 LCD monitors
- 1 Wohler 4-channel audio monitor
- Analog & AES audio monitoring via DK MSD600
- 816 Patch points

- 4 Sennheiser shotgun mics
- 6 Sennheiser E 845 stick mics
- 4 ECM-77 lavalier mics
- 1 Powered utility speaker
- 2 500-foot DT-12s
- 2 250-foot DT-12s
- 50 audio XLR cables at various lengths
- 25 video coax cables at various lengths

VIDEOTAPE/REPLAY

- 7 Sony Digital BVW-D75 VTRs
- 1 Sony DVW-500 DigiBeta VTR
- 1 Sony DNW-A45 Beta SX studio editing deck w/hard drive
- 2 Ashvale slow motion controllers w/T-bar
- 1 ESE master clock/time code generator
- 1 Time code patch panel
- 1 RS422 patch panel, for machine control
- 5 sets Wohler audio monitors
- 6 Router controls
- 1 Tektronix 1710B & 1750 Waveform/Vectorscope
- 1 Sony 13 high resolution monitor
- Optional: 7 Sony DVW-500 Digital Betacam
- Optional: EVS

COMMUNICATIONS

- RTS Intercom & IFB (8 RTS BP320 PL boxes and headsets)
- RTS 1626 20-channel source assign panel
- RTS 4-channel IFB
- 8 803 master stations w/hot mic & PGM IN, 6 powered channels
- 4010 IFB Controller (6 IFB boxes for hardline IFB and earpieces)
- 3 Daltech sportscaster boxes w/Sennheiser HMD 25-1 sportscaster headsets
- 2 Clearcom to RTS interface systems
- 8 BP325 belt packs w/headsets
- 1 Panasonic 8-line telephone system
- 1 Fax/Copier

FRAME SYNC & CONVERSION EQUIPMENT

- 6 Pixel VS5200 frame synchronizers, analog or digital inputs
- 2 Leitch EPS575 frame synchronizer conversions
- Clean-feed option
- AJA Video, Sony & Leitch conversion & distribution
- SDI & analog Tektronix waveform monitoring

ANTENNA SYSTEM

- 1 AVL 2.4m parabolic antenna

- 3 Port Ku-band/2 Port C-band
- 1 Research Concepts RCI-3000 antenna controller
- 1 Tektronix 1705 spectrum analyzer

EXCITER/MODULATOR

- 2 Miteq U-9696-3 Ku Band Data Quality upconverters (70Mhz)
- 2 Scientific Atlantic 7555B modulators
- High gain output (+10dbm)
- 3 audio subcarriers
- Redundant switchover, dual feed available
- Dual IF filters for full and half transponder operation

DIGITAL UPLINK

- 2 Tiernan TE6000 encoders
- Analog composite video or serial digital video inputs
- 4-channel audio

HPA

- 2 MCL 10999
- 1 MCL variable power combiner

RECEIVER

- 2 Agile Omni analog receivers
- 2 Tiernan TDR60 IRDs
- 2 Norsat KLN8.8-PL25A PLL digital-ready LNBS
- 1 DSS receiver

OTHER FEATURES

- 4-Channel Wohler powered speakers at producer, director, and graphics positions

ALSO AVAILABLE

- 2 Canon 55x lenses
- 4 Studio kits for hand-held cameras
- Dolly wheels
- Lightweight air pedestal w/wheels
- ARRI lighting kit
- Betacam SP ENG camera package
- Miscellaneous A/C cords and power strips

POWER

- 200 Amp, single phase, 208-240 Volt
- On-board generators: 40kW Kohler configured as:
 - 20kVA for technical loads
 - 20kVA for environmental loads (dual 48,000 BTU A/C units for redundancy)

SPACE REQUIREMENTS

- Length: 40 feet, Width: 12.5 feet, Height: 24.4 feet (w/antenna deployed)