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## NLT-36 Tech Specs & Equipment List

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### Switching & Effects

- Ross Carbonite+ with 3-Row C3X Panel
  - Carbonite+ Chassis, 2 ME, 24 Inputs, 10 Outputs, 2 Floating Chroma Keyers, 8 Floating DVEs, 24 Frame Synchronizers, 4 Media Stores, 4 Floating “MiniME” Buses, “Multi-Screen” output for IMAG
  - DashBoard Live Assist via Touch Screen, 24 Color-correctors, 2 Internal Multi-Viewers with up to 16 Monitors each, Red and Green tallies
  - File Formats: Native Resolution TGA / PNG Sequence for animations and WAV files (48kHz) for associated audio; JPG TGA PNG for stills
- Apple Mac Mini (TD Position)
  - Mac OS X, Windows 10
  - Ross DashBoard software for switcher and router control
  - Planar PXL2430MW 24” Touch Screen Monitor

### Graphics

- Ross XPression SCE Real-Time Motion Graphics System
- Chyron Hyper X3 – Lyric 8.x
  - (2) Channels Leitch Altitude HD Cards with (2) Channel Clip Player
  - MS Word and Excel, Adobe Photoshop
- Apple Mac Mini (Graphics Position)
  - Mac OS X, Windows 10
  - Microsoft Office, Blackmagic Media Express, Wirecast, PlaybackPro
  - Ross DashBoard
- (6) HDMI to HD-SDI Converters in Production for PowerPoint, Graphics Playback

### Camera Equipment

- (5) GVG LDK 3000 Multi-Format Cameras with LDK 5630 Triax Adapters – 720p/59.94 and 1080i/59.94
- (5) GVG LDK 4580/52 Triax Base Stations
- (2) GVG LDK 8000 Multi-Format Cameras with LDK 5681 Triax Adapters – 720p/59.94 and 1080i/59.94
- (2) GVG LDK 4502/52 Triax Base Stations
- (7) GVG LDK 4640/10 OCP 400 Remote Control Panels
- (4) Carter Custom Large Lens Adapters
- (4) GVG LDK 5307/00 7” HD LCD Studio Viewfinders
- (1) Canon XJ76x9B Studio Lens with Semi-Servo Controls
- (3) Canon J55x9 Studio Lenses with Semi-Servo Controls
- (1) Canon J20x7.5 Studio Lens with Semi-Servo Controls
- (3) Fujinon 17x HD ENG Lenses with 2x
- (3) Vinten Vector 70 Pan Heads / Shotoku 11-17 Tripods
- (3) Secced Reach 8 ENG Tripods
- (1) Sony HDC-X310 Fiber Optic HD POV Camera
- (1) Sony HFU-X310 Fiber Optic Base Station with RCP-720
- (1) Fujinon HSS18x5.5 HD Full Servo Lenses
- Additional Camera Equipment Upon Request

### Video Control

- (2) JVC-DT-V24G11ZAZ 24” QC HD LCD Monitors
- Evertz 7767VIP12-HSN HD Multi Viewer (12 HD-SDI Inputs)
- Leader LV-7700 HD Rasterizer

## In-Truck Video Monitoring

- (2) Sony XBR-43X800E 43" Monitors
- Vizio 32" 1080p Program Monitor
- (12) ASUS PB238Q 23" IPS LED 1080 Monitors
- (3) ASUS C422AQ 21.5" IPS LED 1080 Monitors
- (2) Decimator Design DMON-12S Multiviewers
  - (12) HD-SDI Inputs Each
  - Embedded Audio Monitoring, UMDs, and Tallies
- Harris VTM-2400 HD Rasterizer
- ROKU 3 Streaming Unit
- Off-Air / Cable HD Demodulator

## Field Video

- (6) 20" HD LCD Monitors with SDI-HDMI Conversion
- (6) Telecast Rattler SDI-Fiber Systems
- (8) Integrated SDI-Fiber Transmitters
- (4) Integrated Fiber-SDI Receivers

## Replay / Recording

- (2) Grass Valley K2 Summit with Dyno Replay and Channel Flex
  - 4 Record Channels / 2 Playback or 6 Records / 1 Playback
- (6) KiPro Rack Hard Disk Recorders (Wired for 8)
  - Apple ProRes and Avid DNxHD Codecs
  - (8) KiStor (USB 3) 750GB Removable Hard Drives
- (1) Panasonic AJ-HD1200AP DVCPRO HD VTR
- Blackmagic Design UltraStudio 4K H.264 Recorder - Record Proxy Files in lieu of DVD Recorder

## Audio

- Yamaha QL5 with (2) MY16AE Option Cards
  - AES: 32 In, 32 Out; Analog: 32 In, 16 Out; Dante: 64 In, 64 Out
  - 16 MIX, 8 MATRIX and Stereo Buses
  - Internal MP3 Player (USB)
  - Full Digital Processing, Per-Input/Output Delay up to 1000ms, Real-Time Analyzer
  - Separate Primary and Secondary Dante Networks for redundancy
- Apple Mac Mini (A1 Position)
  - Mac OS X, Windows 10
  - RTS AZedit, Yamaha QL Editor, InstaCue, Ross DashBoard
- Ross NK-D64-110 Balanced AES Audio Router (64x64)
- Ross NK-A32-HQ Stereo Analog Audio Router
- Grass Valley Gecko Flex Frame with (10) 8910ADA-ST Stereo DAs
- Ross DFR-8321 OpenGear Frame with (3) Blackmagic SDI-AUDIO De-Embedders
- (672) Analog Patch Points, (384) AES Patch Points, (50) TT Patch Cords
- (2) JBL LSR2325P Studio Monitors (Audio Booth)
- (2) JBL Control 5 Speaker Monitors (Production)
- Samson Servo 300 Amplifier
- (3) Videotek APM-200 Speaker Monitors (Production)
- (2) Wohler AMP1-S8 Speaker Monitors (8 CH AES, 4 CH Analog) – (1) each in Audio and Tape
- (2) Fostex 6301B (Video)

## Field Audio

- (3) Yamaha Tio 1608D 16-Input, 8-Output Dante Stage Boxes – Primary and Secondary Networks with Fiber Converters, Remote HA control from QL5 Console
- (2) Sennheiser HMD-26-II Talent Headsets
- (3) Sennheiser HMD-25 Talent Headsets
- (3) Daltech Announce Boxes

- (3) Sennheiser MD46 Stick Mics
- (3) Sennheiser MKH816 Shotgun Mics
- (3) Sennheiser ME66 Shotgun Mics
- (2) Sony ECM-77B Lavalier Mics
- (1) Sony ECM-66B Lavalier Mic
- (1) Audio-Technica AT8022 Stereo Mic
- (1) Electro-Voice RE50N/D-B Omni Mic

## Communications

- RTS Zeus-III 32-Port Intercom Matrix
  - Fully Programmable (AZEdit); Point to Point, Party Line, IFB
  - (2) Integral 2- to 4-Wire Converters (2 Channels PL)
- JK Audio Innkeeper 4 – (4) Channel TIF
- (10) Telex KP Stations
- (1) Studio Technologies Model 47A 2- to 4-Wire Converter / Power Supply (4 Channels PL)
- (1) Telex DSI-2008 2- to 4-Wire Converter (2 EXT House PL Interface)
- (1) Telex PS-15
- Telex SAP-612 Source Assign Panel (6 Channel PL)
- Telex IFB-828 16-Channel IFB Power Supply
- (4) RTS 4030 IFB Beltpacks
- (8) RTS BP325 2-Channel Beltpacks
- (8) PH-88 Lightweight Headsets
- (6) Double-Muff Headsets
- (6) Single-Muff Headsets
- (3) Daltech Announce Boxes

## Terminal Equipment

- Ross NK-3G72-FRM 72x72 3G HD-SDI Router
- Ross NK-IPS Network Bridge – Network Control of Routers
- Ross NK-VRC Virtual Router Control – Programs Routing System
- (10) Ross RCP-NKM 40 Button Programmable Router Panels
- (2) Astro Designs SL-7036 SD/HD Tri Level Sync Generators
- DigiDesign SYNC HD
- (2) Harris X-85 Dual Path Up/Down/Cross/Embedder/De-Embedder/FS
- (2) Teranex VC100 HD Up/Down/Cross Converting Frame Syncs
- (6) Gefen DVI to HDSDI Scalers (For computer desktops to HD Router)
- (2) Evertz 7700 Frames with Network Cards
- (4) Evertz 7711UC-HD Multiformat Up-Converters
- (10) Evertz 7710DCDA-HD Down-Converters SDI – Composite
- (2) Evertz 7751TG-HD Test Generators
- (30) NVision 500 Series HD DAs
- (20) GVG Composite Video DAs
- (896) Mini WECO Patch Points

## Rear I/O Panel

- (2) Multi-Format Transmission Router Paths – HD, SD, Analog, AES, Analog Audio
- (28) Patchable Analog XLR Tie Lines
- (14) Patchable AES XLR Tie Lines
- (5) Patchable Analog Program XLR (L, R, M)
- (14) Patchable RTS SAP XLR (Belt packs)
- (4) Dry IFB XLR
- (6) Wet IFB XLR
- (2) DSI-2008 2-4 Wire Converter IN (House Intercom)
- (2) 4-Wire Intercom RJ-45 (Remote KPs)
- (40) Patchable HD-SDI BNC

- (12) Patchable HD Router Outs BNC
- (1) WAN In RJ-45
- (1) Network Out RJ-45
- (2) Streaming RJ-45
- Reference IN and OUT BNC
- (8) Patchable Switcher AUX Outs BNC
- (4) HD-SDI Program BNC
- (2) SD Program BNC
- (6) Telco IN (Binding Post)
- (8) Tally IN (Binding Post)
- (8) Tally Out (Binding Post)
- (4) Patchable DT-12 Female Analog Audio
- (16) Single Mode Fiber ST – (2) to Dante Primary/Secondary Networks, (2) to Sony CCU, (4) to Fiber-SDI Receivers, (8) to SDI-Fiber Transmitters
- (8) Camera Triax

## Network

- Asus RT-AC66U Dual Band 802.11AC Gigabit Router
- TP-Link TL-SG1048 48 Port Gigabit Switch
- (2) Wired Gigabit RJ-45 to Each Bench

## Cable Inventory

- 2000' Mini Triax
- (3) 250' DT-12 Audio
- (1) 500' DT-12 Audio
- (3) 150' 6 Pair Audio
- 500' XLR Audio
- 500' BNC Video
- 500' AC Power Cords
- (2) 1000' 4-Channel ST Tactical Fiber Reels
- (1) 1500' 12-Channel ST Tactical Fiber Reel

## Power Requirements

- Input 190-280 Volts – Adjustable Isolation Transformer
- Single Phase, 150 Amps
- 125' Power Cable

## Dimensions

- Truck GVW 25,950 LBS
- Travel Dimensions: 36'L x 8'6"W x 12'4"H
- With Stairs: 36'L x 14'6"W x 12'4" H

