

# GENESIS HD Technical Specifications



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## **Genesis Mobile Specifications:**

### **Video:**

Ross Carbonite 2M Multi-Definition Production Switcher

- 24 Inputs
- 2 M/Es
- 4 Keyers per M/E
- 4 Channels of 2D DVE
- 4 Channels of internal media store system with animation playout & animated media transitions
- Up to 6 Auxiliary buss outputs
- Internally generated virtual monitor wall
- 6x internal format conversion frame synchronizers
- Custom control macro programming system

### **Ross/NK Systems 16x16 3G HD Routing Switcher**

#### **Playback/Record:**

2x NewTek 3Play 440 Replay/Record Systems

- 4 Inputs / 2 Outputs each
- Simultaneous record and playback
- On-the fly playlists with transitions on either channel simultaneously
- Multi-Definition capability
- Ability to wire in additional recording devices as required

Ross 4 Channel Blackstorm Clip Server

- 4 Channels of multi-definition video playback fully integrated into the production switcher
- Can be used for animated transitions as well as clip playback

#### **Graphics:**

Ross XPression Studio Character Generator

- Single channel with unlimited layering, audio output, clip player and real time 3-D animation capability. Also has virtual 2<sup>nd</sup> channel" via network connection to Carbonite switcher (no motion capability on 2<sup>nd</sup> channel at this time).

#### **Cameras:**

6x Ikegami HDK-73 Series HD Cameras with HDR capability.

- 3x hard camera configurations on box lens adapters w/ Canon & Fuji 55x1 box lenses, 7" HD colour viewfinders and Quickset tripods with Vinten pan/tilt heads
- 3x Ikegami HDK-73 series hand-held cameras w/ 2x Canon 20x1 ENG lenses, 1x Canon 9mm wide angle ENG lens and Manfrotto tripods.
- Full triax chains with over 6000 feet of triax camera cable available

#### **Web Stream Encoding:**

- Internal web stream encoding available utilizing Adobe Flash Live Media Encoder

#### **Audio:**

Yamaha 01V96 32 Input Audio Mixer

Digicart/e music playback system

2x Telos OneR digital telephone hybrids

Lectrosonics Venue six channel wireless microphone system (3x Block 21 & 3x Block 22 frequencies).

- 1x Lectrosonics UH2000 plug microphone plug on transmitter
- 3x Lectrosonics UM 200C microphone belt pack transmitters
- 2x shark fin antennas for system

4 Channel AJA SDI audio embedder for up to four channels of audio embedding





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#### **Intercom:**

RTS Adam CS Matrix Intercom System

- 32x32 matrix
- 2 channel RTS 2 to 4 wire converter system

#### **Default Configuration**

- 6x Camera PL
- 6x internal operational position keypanels
- 2x spare keypanels for external requirements
- 3x connections for additional external keypanels on external bulkhead
- 4x 4-wire preconfigured IO ports on external audio bulkhead
- 2x 2-wire preconfigured IO ports on external audio bulkhead
- 5x discreet IFB output lines on external audio bulkhead
- 2x Hybrid configuration for dual telephone line integration into system
- 5x fully patchable port I/Os
- 3x Aux feeds from mixer to system
- 1x Mono PGM audio feed to system
- 1x 3Play audio monitoring output into system (patchable override if not needed)
- 1x Lectrosanics IFBT4 wireless IFB transmitter (Block 24 frequencies)
- 1x Lectrosanics IFBR1a wireless IFB receiver with earpiece (Block 24 Frequencies)

#### **Video Processing:**

- 6x format conversion frame synchronizers internal on the Carbonite switcher
- 1x AJA FS2 2-channel multi-definition frame synchronizer
- 1x AJA HD10A 1x6 HD/SD-SDI reclocking video distribution amplifier
- 3x AJA UDC Up/Down format cross converters (synchronizable)
- 1x AJA D10A component analog to serial digital converter
- 2x AJA HA5 HDMI to HD-SDI serial digital converters
- 1x Blackmagic Design HDMI to HD-SDI serial digital converter with on- battery operation
- 1x Startech VGA to composite video converter
- 1x Vanco 1x2 HDMI splitter/Range Extender

#### **Integration of Additional Equipment:**

- 24 BNC video I/O (patchable) for cross-truck tie-in or additional equipment integration such as external mobile camera feeds, event timing feeds, etc.
- HD-SDI, SD-SDI, Composite SD monitor outputs on external bulkhead
- Patchable genlock input on external bulkhead
- Individual HD camera outputs on external bulkhead
- 24 BNC video I/O (patchable) for cross-truck tie-in or additional equipment integration such as graphics systems or secondary replay systems on internal bulkhead
- 12 XLR audio inputs (patchable) for equipment integration or cross-truck tie-in on internal bulkhead
- Up to 4x BNC video I/O on each control room production deck for equipment integration such as laptops, additional video recorders, EFP camera playbacks, etc.
- 2x patchable audio inputs available on second production deck for equipment integration with analog audio playout.





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### **Parking & Power Requirements:**

#### **Unit Parking:**

- Minimum Unit footprint: 14'W x 36'L
- Preferred unit footprint: 20'W x 40'L

#### **Power Requirements:**

- 220 Volt, Single Phase, 60 Amp Pin & Sleeve connection
- Available pigtailed for power tie-in:
- Open-wire to pin and sleeve connector
- Range plug to pin and sleeve connector
- 200' HD pin and sleeve power cable available
- If parked indoors where HVAC are not an issue unit can be powered on 2x 20 amp wall outlets.
- 100' of 110V power cable available.

### **Additional gear available by quotation:**

#### **Telex/Radiocom BTR-800 wireless intercom system (C3 frequency band)**

- 2x Radiocom TR-800 Belt Packs w/ Telex PH-88 headsets
- 2x ClearCom WTR-680 Belt Packs w/ Telex PH-88 headsets
- 2x Sharkfin antennas with 50' extension cables

#### **25' Jimmy Jib "Super Giant" package (25' height/18' reach)**

#### **AVL Portable VSAT Satellite System for remote area internet access**

- Auto-Deploying with dual satellite capability for redundancy
- Fits in the back of a pickup truck – can be deployed and operational in under 20 minutes
- High-power 6w BUC for greater reception and transmission

#### **EFP Kit #1:**

- Sony PMW-EX1 HD Camera w/ Manfrotto Tripod
- Lighting Kit
- 16' x 8' Green Screen
- 1x Sennheiser G2 wireless microphone belt pack/receiver combo
- 1x Sennheiser G3 wireless microphone belt pack/receiver combo
- 1x Sennheiser EW-100 hand mic with G2 plug on wireless transmitter

#### **EFP Kit #2 – DSLR with operator:**

- Canon 5D Mark III full-frame DSLR
- Cam Caddie Scorpion buildup kit
- Ikan 7" monitor with sun shade
- Manfrotto tripod
- 2 channel XLR mic breakout box
- Canon EF 70-200mm L-series f2.8 zoom lens with stabilizer
- Canon EF 24-105mm L-series f4.0 zoom lens
- Tokina 16-28mm IF f2.8 wide angle zoom lens
- ProAm Orion 8' mini-jib

#### **2x GoPro (1x Hero2 & 1x Hero3) HD POV cameras**





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