



# Constellation

26' Ku UPLINK / HD PRODUCTION HYBRID  
OVERVIEW

## Production

For-A HVS-390 Hanabi Switcher  
2 M/Es available, 16 input, 8 output  
(4) Keyers per ME, (4) DVEs, (4) Chroma Keyers, Still Store

## Records

(1) AJA KiPro HDD Recorder  
(1) AJA HELO H.264 Recorder  
Wired for up to 5 Recorders and 1 8-Channel Replay Unit

## Camera Equipment

Wired for up to 4 CCUs  
(4) Hitachi Z-HD5000 Hybrid Fiber  
1080i/720p 59.94  
TAC Fiber Adapters Available  
(2) HH Viewfinders  
(2) 7" Studio LCD Viewfinders  
(2) Fujinon 20x ENG Lenses  
(2) Fujinon 13x4.5 Wide Angle Lenses  
Additional Camera/Lens Options Available

## Transmission

2.4m Vertex Ku Uplink Antenna with 4-Port Feed  
(2) 300-watt Ku MCL 3200 TWT  
(2) Adtec EN81 Encoder/Modulator  
(1) Adtec EN80 Encoder/Modulator  
(1) Adtec EN100 Encoder/Modulator  
(2) Adtec RD60 Decoder  
(1) DirecTV HD DSS Receiver  
(1) Apple TV OTT Receiver  
Multichannel Mux Available

## Communications

RTS Zeus 24-Port Digital Matrix  
(4) RTS PL Channels  
(5) RTS Telephone Interface  
(4) Wet IFB Channels  
(2) Biscuit Boxes

## Connectivity

(2) VoIP Phone Lines  
(2) Verizon Cellular POTS Lines

## Terminal Equipment

40x40 BlackMagic Design HD/ASI Router  
4x4 Audio Embed/De-Embed  
(2) Configurable Integrated Multiviewer Outputs  
(3) HD Frame Syncs  
Frame syncs on all switcher inputs

## Graphics Facilities

(1) Mac Mini with Playback Pro Software  
Wired for 1 Dual-Channel Graphics System

## Cable Inventory

(1) 500' TAC-8 Fiber Mult

## Audio Facilities

Yamaha TF1 Digital Mixing Console  
16 Fader / 32 DSP Inputs  
32x16 Analog, 64x64 MADI  
16x8 Remote Stagebox

## Support

(2) Fostex Speakers  
(3) Throwdown HD Monitors  
(2) SDI-HDMI Converters  
(2) Fiber Rattler Sets  
(2) Decimator MD-Cross Converters

## Power Requirements

1 Phase, 80 Amps, 208 Volts  
2 Hot Legs, 1 Ground (no neutral required)  
100' feeder cable with camlock connectors  
20kW Generator On Board

## Truck Dimensions

GVW – 26,000 Lbs  
Dimensions – 29ft L, 9ft W, 13.5ft H working  
footprint

## Resolutions & Frame Rates

1080i, 720p  
59.94

For mobile unit inquiries, call or text at 877-959-8638 or e-mail [contact@tndv.com](mailto:contact@tndv.com)

Mobile unit equipment complement is subject to change without notice. Additional equipment is available as needed.