



(800) 672-2728
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KC20
C-BAND / Ku SATELLITE TRUCK
FRONTLINE TRUCK WITH PATRIOT TRAILER

Specs KU Truck - Ford F650 - Diesel
C-band Trailer - Custom fabrication with 4.8M Patriot Linear/Circular C-band dish
Weight Truck - 22,000 pounds
Trailer - 6,500 pounds
Dimensions Truck - 13' 6" high (add 10' when dishes are deployed), 8.5' wide (add 3' for door), 24' long
Trailer - 10' 6" high (add 15' when deployed), 8.5' wide (add 8' when outriggers are deployed), 22.5' long

RF PACKAGE:

The transmission platform was designed and integrated by our engineering staff to meet the outmost stringent field requirements
Simultaneous C and Ku transmissions in any configuration including C-Band linear or circular polarization

Antennas

2.4 meter - 4 port AVL Ku antenna
Simultaneous multiple feeds on same or opposite polarities
Digital grade (10Khz), stable LNBS to allow SD or HD downlinking

4.8 meter - 4 port - trailer mount - tri-fold Patriot - Linear/circular C-Band antenna
Multiple SD or HD feeds on either polarity
Digital grade (10Khz), stable LNBS to allow SD or HD downlinking

Power

Ku - Two, rack mounted - harsh environment, ruggedized 450 watt Paradise/Datacom SSPAs, hot standby or phase combine mode
C-band trailer - Two harsh environment, ruggedized, hub mounted C-Band 600 Watt Paradise/Datacom SSPAs, hot standby or phase combine mode

Encoders

Tandberg E5788 composite, SD or HD/SDI
More encoders can be diverted or added upon request to provide multiple path simultaneous digital carriers
BISS Encryption Close caption and AC-3 Dolby E pass-through capable

DVB-S QPSK/8PSK or DVB-S2 8PSK/16APSK modulation from the C or Ku side

Audio (per path):
Analog, up to four channels
AES/EBU, up to 4 channels
Embedded, up to 16 channels

POWER:

On-board

One 25 KVA generator

Shore

Truck/Ku - 100 amp single phase, 220 volts - 2 hots and one ground hook up
Trailer/C-Band - 100 amp, single phase, 120/240 volts - 3 hots and one ground hook up
(powered through truck)
150' of shore power cable on board w/ standard camlock connectors

VIDEO PACKAGE:

**Routing
And
Distribution**

Leitch Panacea 16x6 multi-format HD/SDI and 16X16 analog video/audio routing switchers
Sigma multi-format signal generator (HD, SD, composite)
Four Sony LMD9095 monitors accept any format HD, SD, Composite PAL or NTSC
Full compliment of video patch panels for flexibility and to quickly circumvent any possible failure

DAs

Ross Equalizing and Clamping Composite Video DAs

Other

Four HD/SDI video inputs, with Hum-bucking coil and re-clocking DAs

Entire C/KU platform accepts analog, SD or HD video signals and can monitor, evaluate and up-or-down convert to any transmission standard for monitoring or transmission purposes. First 4 video inputs have humbuck coils and DAs on them to minimize or eliminate ground loops



