



(800) 672-2728

(916) 446-7890

KC18
C-BAND / Ku SATELLITE TRUCK
FRONTLINE

Specs Sterling LT-7500 Tandem Axle Diesel
Weight 46,000 pounds
Dimensions 13' 6" high (add 10' for dishes), 8.5' wide (add 3' for door), 33' long

RF PACKAGE:

The transmission platform was designed and integrated by our engineering staff to meet the most stringent field requirements.

Simultaneous C and Ku transmissions in any configuration
C-Band linear or circular polarization

Dishes

1.8 / 4 port AVL Ku antenna
Simultaneous multiple feeds on same or opposite polarities
Digital grade (10Khz), stable LNB's to allow SD or HD downlinking

4.5 / tri-fold Andrews C-Band antenna
Multiple SD or HD feeds on same polarity only
Digital grade (10Khz), stable LNB's to allow SD or HD downlinking

Modulators

Two Ku and two C-Band LNR high stability with minimal phase noise upconverters

Power

Two harsh environment, ruggedized Ku 400 watt ETM transmitters, hot stand by
Two harsh environment, ruggedized, linerized C-Band 750 watt ETM transmitters, hot stand by 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. Encryption and AC-3 Dolby E pass-through capable

QPSK or 8PSK modulation from the C or Ku side

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

POWER:

On-board (2) 20 KVA generators (2nd generator provided for redundancy or production use)
Shore 100 amp single phase, 220 volts – 2 hots and one ground hook up
150' of shore power cable on board w/ standard camlock connectors

VIDEO PACKAGE:

Routing Leitch Panacea 32X32 multi-format HD/SDI routing switcher, 16X16 AES and analog video/audio
And Sigma multi-format signal generator (HD, SD, composite)
Distribution Eight separate router outlets for complete and independent monitoring and downlinking capabilities
Full compliment of video patch panels for flexibility and to quickly circumvent any possible failure
DA's Ross Equalizing and Clamping Composite Video DA's
Other Four HD/SDI video inputs, with Hum-bucking coil and re-clocking DA's

Entire C/KU platform accepts analog, SD or HD video signals and can monitor, evaluate and up-or-downconvert to any transmission standard for monitoring or transmission purposes.



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First 4 video inputs have humbuck coils and DA's on them to minimize or eliminate ground loops

HD quality video cables for short distances and fiber links to the I/O panel for long distance runs

Analog, SD or HD Videotek TVM-950HD waveform monitor with eye pattern analysis to verify and analyze any video signal input. Errors can be recorded during transmissions and reviewed in case of receive site faults

AUDIO PACKAGE:

Mixer	Two Ashley MX206 stereo mixers for utility mixing
Other	Analog and AES audio DAs Full compliment of patch panels for flexibility and to quickly circumvent any possible failures

INTERCOM / IFB:

RTS MCE325 base station with two independent intercom channels
Intergrator 2 channel IFB mixer; talent interrupt capability on either or both channels
Two Telos Link phone interface units for independent PL interface
Wired and wireless IFB