

Integrated Communications Vehicle

By Light's Integrated Communications Vehicle (ICV) built on a MI 152AI HMMWV provides power systems and air conditioned equipment racks for wide and local area networking and communications. The ICV supports SHF, UHF and BGAN communication paths for up to four local network enclaves. Operators use By Light's network control matrix to securely access supported networks.

SPECIFICATIONS

PHYSICAL

- Weight: 9,850 lbs (approximately)
- Height: 91" (ground to top of stowed antenna)
- C-130/C-17 transportable

INTEGRATED POWER SYSTEM

- 7500 watt conditioned power 120VAC/60Hz
- N + 1 power conditioner configuration
- Shore power 80-265VAC / 47-800Hz
- 100Ah lithium iron phosphate (LiFePO4) battery backup
- Auto-start vehicle control for seamless power switching
- Optional 24VDC buss

ENVIRONMENTAL CONTROL UNIT

- 2 x 10000 BTU cooling and 2.5Kw heating units
- Integrated ECU ducting in racks

SATCOM

- BGAN explorer terminal
- Auto acquire 1.2m lite COTM terminal
- Ku, X, Ka-bands
- External iDirect 9350 modem
- DAGR GPS input
- ISR and GBS



COMMUNICATIONS RACKS

- 82 19" rack units
- Integrated cable management
- Protective rear panels

NETWORK

- TPN/TPC/multiple enclave configurations
- Encryption rack
- Integrated cable management
- Two (2) cab operator positions
- By Light network control matrix
- TFOCA fiber interface panel for remote switch support

RADIO SYSTEM

- Radio and amplifier shelves
- RF cross connect patch panel
- Roof mounted, tri-band antennas
- Elevating antenna masts