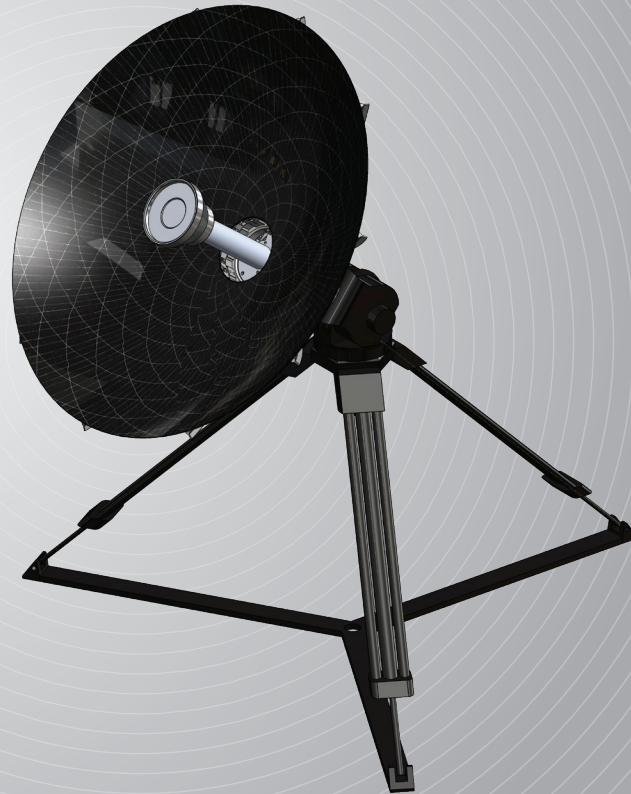


PROFEN

MPA-75 X-BAND FOLDABLE ANTENNA SYSTEM



PROFEN's MPA-75 series backpack antenna offers a lightweight, backpack portable satellite communication solution developed for the needs of soldiers or first responders who need uninterrupted communication in extremely rural areas and harsh environments. In addition to its outstanding RF performance, the MPA-75 antenna offers advantages over its competitors in terms of easy portability and fast installation.

With a compact design and smart packaging concept, one person can carry, install, and operate it. The antenna can be carried with the passengers as cabin baggage with a specially designed backpack. It is also optionally available with a hard plastic carrying case for carrying as airline luggage.

Key Features

- Portable & Rigid Mechanical Structure
- One-man operation
- Lightweight carbon-fiber Reflector and aluminum tripod structure
- Tool-free installation
- Modem agnostic. It can be adapted to any VSAT system.

Typical Applications

- Emergency communication from the disaster area
- Corporate network extension via satellite
- Homeland security mobile satcom

Electrical Specifications

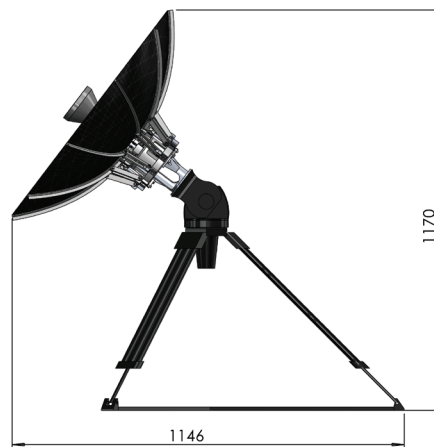
Frequency Range	Tx: 7.90 - 8.40 GHz
	Rx: 7.25 - 7.75 GHz
Antenna Gain	Tx > 32,5 dBi (mid-band)
	Rx > 32 dBi (mid-band)
Antenna Noise Temperature	< 70 K (@ 20 ° Elevation)
Tx/Rx Isolation (Feed/Diplexer)	> 60 dB
Cross Pol. Isolation	> 25 dB
VSWR	< 1.5 :1 (septum output)

Mechanical Specifications

Reflector Type and Size	Parabolic, 75 cm
Reflector Material	Carbon-Fiber Membrane
Segmentation	Foldable one piece
RF Interface	WR-112 Waveguide
Weight (Without tripod electronics)	<2 kg

Environmental Specifications

Operational wind speed	35 km/h (with fixed to the ground)
Operational temperature range	-30 / +60 ° C
Humidity	95% (non-condensing)
Rain Performance	Max. 50 mm/h



How to Buy?



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