



0.75m Manual Manpack Terminal

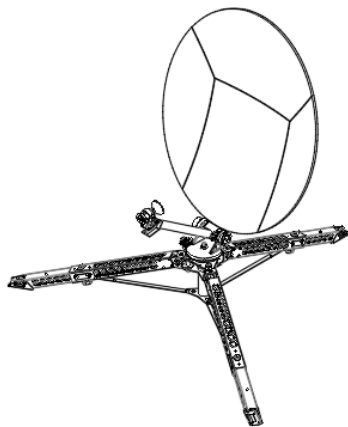
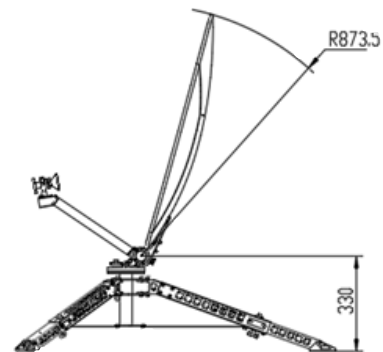
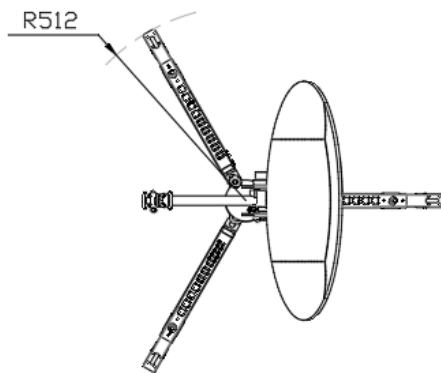
The Series of 0.75m Manual Manpack Terminal is intelligent, integrated design of portable satellite communications equipment. The modular architecture and easy-to-plug components allow the system to be fully assembled in minutes. The system can be upgradeable to the Ka band via the Ku and Ka band kits on site, and suitable used for oil and gas exploration, military communications, disaster management, emergency communications, etc.

FEATURES

- Compact ,lightweight and easy to carry
- High performance Carbon Fiber reflector
- Available in Single Panel or Multi Panel
- 3-minute setup
- Replaceable Ku/Ka Feedhorn
- Heavy duty feed arm capable of supporting transceiver



OUTLINE DRAWING(All dimensions in mm)



Notes: This product can be customized according to the actual needs of the user



ARMA

MAIN SPECIFICATIONS

Наименование	Ku (MDO750LKA)	Ka (MDO750CKA)
Электрическая характеристика		
Размер антенны	0.75m	
Тип антенны	Оффсетная параболическая	
Материал отражателя	Углеродное волокно	
Частота	Rx: 10.95~12.75Ghz Tx: 13.75~14.50Ghz	Rx: 18.20~20.20Ghz Tx: 28.10~30.00Ghz
Поляризация	Linear	Circular
Усиление	Rx: 37.2 dBi Tx: 39.1 dBi	Rx: 40.8 dBi Tx: 44.4 dBi
KCB(VSWR)	Rx: $\leq 1.5:1$ Tx: $\leq 1.3:1$	
Кросс поляризация(XPIC)	≥ 33.0 dB (on axis)	N/A
Козффициент эллиптичности	N/A	≤ 1.3 dB
Вторичный лепесток	-14 dB (first sidelobe)	
Интерфейс терминала эксплуатации и ТО	WR75	Rx: WR42 Tx: WR28
Механические характеристики		
Азимутальный диапазон	$-180^{\circ} \sim 180^{\circ}$	
Диапазон высот	$10^{\circ} \sim 90^{\circ}$	
Диапазон поляризации	$\pm 90^{\circ}$	0° or 180° (Manual)
Время разворачивания	≤ 3 min	
Вес	≤ 10 kg	
Размер	680mm x 470mm x 450mm	
Экологические показатели		
Рабочая температура	$-25^{\circ}\text{C} \sim 55^{\circ}\text{C}$	
Температура хранения	$-40^{\circ}\text{C} \sim 75^{\circ}\text{C}$	
Скорость ветра	Operational: ≤ 14 m/s Survival: ≤ 18 m/s	
Ливень	Operational: ≤ 120 mm/h Survival: ≤ 230 mm/h	
Влажность	$5 \sim 95\%$	