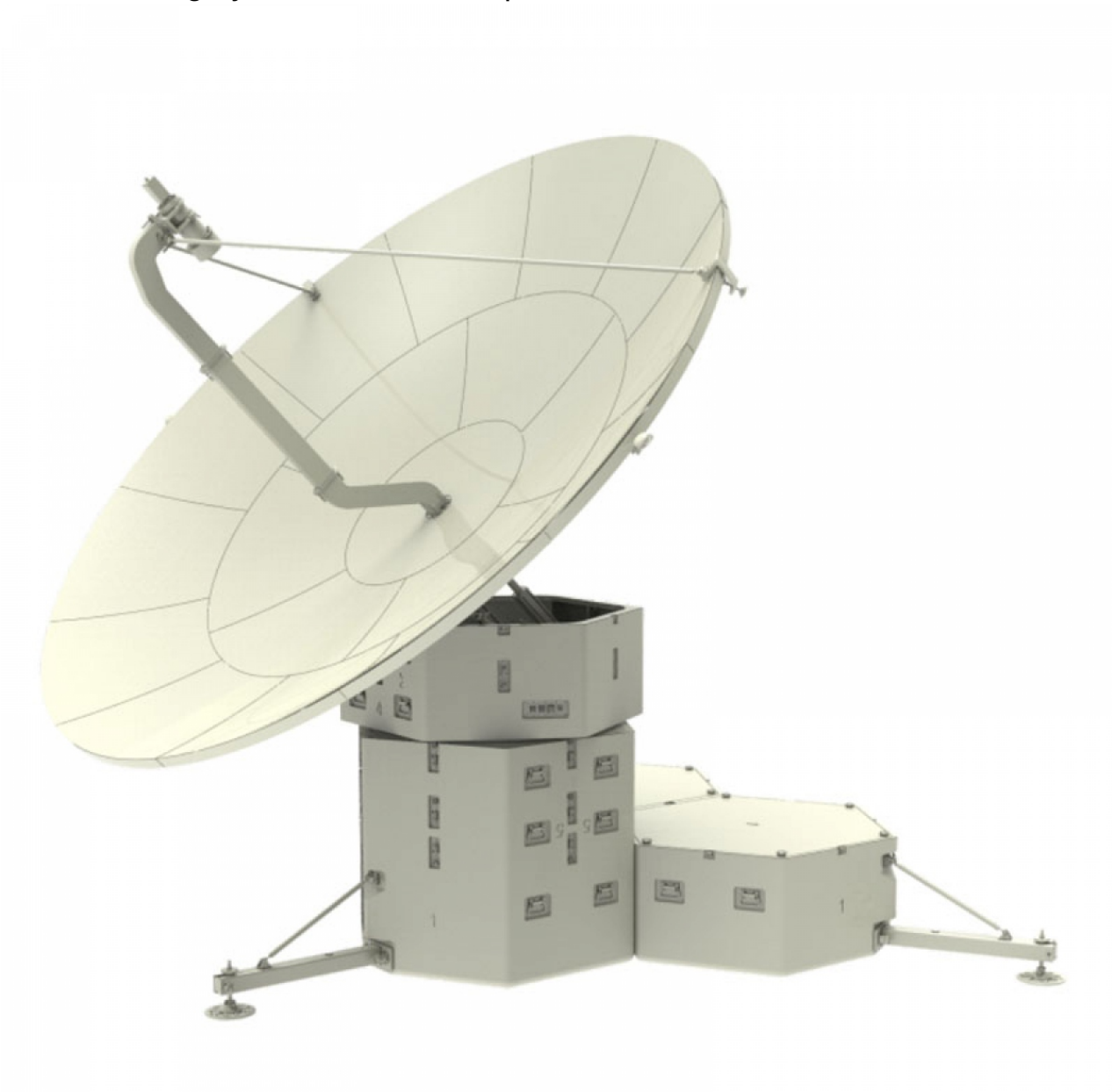


3.7m X band Automatic Transportable Antenna

Product Category : Automatic Transportable



Product Parameters

Antenna Category	Automatic Transportable
Antenna Aperture	3.7m
Antenna Type	Feed Forward
Polarization	Circular
Frequency (Rx)	7.25-7.75GHz
Frequency (Tx)	7.90-8.40GHz

Port isolation (Rx-Tx)	$\geq 85 \text{ dB}$
Port isolation (Tx-Rx)	$\geq 40 \text{ dB}$
Gain(Rx)	$\geq 46.67 + 20\lg(f/7.50)\text{dBi}$
Gain(Tx)	$\geq 47.39 + 20\lg(f/8.15)\text{dBi}$
VSWR(Rx)	$\leq 1.5:1$
VSWR(Tx)	$\leq 1.5:1$
Motion range (AZ)	+180°(When EL is above 36°)
Motion range (EL)	10°~90°
Motion range (POL)	$\pm 90^\circ$
AZ	0.1~1°/s
EL	0.1~0.5°/s
POL	
Initial acquisition time	$\leq 3\text{min}$
Blockage recovery time	$\leq 1\text{min}$
Power capacity	$\leq 500\text{W}$
Operating Temperature	-40°C ~ +60 °C
Storage Temperature	-55°C ~ +70 °C
Humidity Requirement	95%(20°C)
Operating wind velocity	13m/s
Survival wind velocity	20m/s
Protection grade/IP Rating	IP65
Power supply	90~264VAC,47Hz~63Hz
power consumption	$\leq 350\text{W}$ (No power amplifier)
Material	Carbon Fiber
Remarks	Optional Feed: L / S; 1.00GHz-18.00GHz;18.00GHz-40.00GHz

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