

0.75M Flyaway Antenna

Applications

1. Sudden public events and all kinds of disasters on-site information gathering
2. Relief in disaster
3. Public security, military, government, oil, water conservancy, electricity, finance and other important sectors of the country
4. Coverage in remote areas and vast rural areas
5. Field operations, exploration, military police and news media

Antenna Aperture		0.75m Flyaway Antenna
VSWR	Tx	1.25:1
	Rx	1.25:1
3dB beamwidth	Tx	1.9°
	Rx	2.1°
Polarization		Linear
Operation Frequency	Tx	14-14.5 GHz
	Rx	12.25-12.75GHz
Cross-polarization	Tx	>30dB
	Rx	>30dB
Gain	Tx	>38.5 dBi
	Rx	>37.2 dBi
Power Capacity		100W
Feed Interface		WR75
Tx/Rx Isolation		Rx >40dB Tx >85dB
sidelobe($1^\circ \leq \theta < 20^\circ$)		First sidelobe < -20 dB
ENVIRONMENTAL		
Temperature operational		-30° C--50° C
Wind load operational		20m/s
MECHANICAL		
Antenna Type		Offset antenna
Elevation		0--90°
Azimuth		±60° (Vernier adjustment)
Polarization		±90°
Main reflector material		Carbon Fiber
Weight		8.5 Kg
Case size		675*435*250mm