



1.2 m Auto Flyaway Antenna

Feature

- * Carbon fiber reflector with light weight, high strength and accuracy and R.M.S<0.3mm;
- * Support manual, manual and one button auto deploy acquisition satellite;
- * Easy acquisition without training and tools, satellite lock in 3 minutes;
- * Support C, X, Ku and Ka band;
- * Support DVB-S1, DVB-S2, beacon and modem in satellite locking;
- * GPS, position detecting system, polarization adjustment;
- * Servo drive system, beacon receiving system, Wi-Fi wireless control;
- * The products can be used at such industries as Broadcast & media, emergency & public safety, oil and gas etc



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Model		FK120-AK
Type		Ku
Reflector aperture		1.2 m
Tx frequency		13.75 ~ 14.50 GHz
Rx frequency		10.95 ~ 12.75 GHz
Tx gain		$\geq 42.7 + 20\lg(f/14.25)$ dBi
Rx gain		$\geq 41.5 + 20\lg(f/12.50)$ dBi
Polarization feature		linear
Cross polarization (Axis)		≥ 35 dB
Rx/Tx isolation		≥ 85 dB (Tx Frequency)
VSWR		≤ 1.25
Feed Interface		WR75
Side lobe		≤ -14 dB (first side lobe)
Reflector type		prime focus
Power supply		220 VAC $\pm 10\%$, 50Hz ± 2 Hz
Slewing area	Azimuth	$\pm 95^\circ$
	Elevation	$10^\circ \sim 90^\circ$
	Polarization	$\pm 90^\circ$
Rotate speed	Azimuth	$0.1^\circ / S \sim 3^\circ / S$
	Elevation	$0.1^\circ / S \sim 3^\circ / S$
	Pol	$0.1^\circ / S \sim 3^\circ / S$
Acquiring mode		Automatic tracking or manual tracking
Work wind load		18m/s(balance weight)
Temperature		$-40^\circ\text{C} \sim +60^\circ\text{C}$
Protection grade		IP65
Net weight		≤ 30 Kg (not include BUC, Packaging and accessories)



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