

## 4.5M KU BAND TVRO(Linear/Circular POL)



### General Description:

Probecom can supply Satellite receive only antenna meet data receive and TV requirement. Probecom TVRO antenna is made of high accuracy stretch-formed aluminum panel with stable structure. The TVRO antenna systems with satisfactory performance of high gain, low side lobe and reliable operation, easy to operate and maintenance.

### Highlight Features:

High Accuracy Stretch-formed Aluminum Panel  
Meet data receive and TV receive requirement  
High Erosion Resistance  
Assembled and tested feed system before leaving factory;  
Survival Wind Speed 125mph  
C-band, Ku-band, S-band, L-band frequency as option  
Linear or Circular Polarized feed system as option;  
Single/Dual Polarization as option

### Technical Specification

#### Electrical Specification

Type	4.5m TVRO antenna	
Operating Frequency, GHz	Ku-Band	
	Receive	
	10.7~12.75	
Typical Gain, dBi	52.3(F=11.8GHz)	
Polarization	Linear/Circular	
Axis Ratio, dB	3	
Feed Interface	WR-75 or LNBF	
Port No.	2	

#### Mechanical Specification

Antenna Diameter		4.5m
Antenna Type		Prime focus
Antenna Pointing Range	Azimuth	0°~360°(Continuous)
	Elevation	0°~90°(Continuous)
	Polarization	±180°(Continuous)
Drive Mode		Manual

#### Environmental Specification

Operational Wind		79km/h gusting to 126km/h
Temperature		-40°~+60°
Relative Humidity		100%
Solar Radiation		1135Kcal/h/m <sup>2</sup>
Seismic(Survival)		0.3g(H), 0.15g(V)

### Optional

#### Feed

##### Linear POL



##### Circular POL



#### LNBF(Linear POL)

