

A、 Model: BCS1500CZ

B、 Name: BCS 1.5 Meter Motorized Vehicular SNG Antenna

C、 Picture:



D、 Application:

- 1、 emergency communication
- 2、 communication in wild
- 3、 telecast and mobile communication

E、 Datasheet:

Electrical RF	
Reflector	1.5 meter Carbon-Fiber
Precision of Reflector	$RMS \leq 0.4mm$
Feed	Mode-matched with Rotary Joint, Offset, Prime Focus
Frequency	Transmit 14—14.5GHz

	Receive	12.25—12.75GHz
Gain	Transmit	45.9dBi
	Receive	44.25dBi
Cross-Pol Isolation	On-Axis	≥35dB
	Off-Axis (within 1 dB BW)	≥35dB
Feed Port Isolation - TX to RX		TX≥85dB
VSWR	Transmit	≤1.3: 1
	Receive	≤1.35: 1
Efficiency		≥60%
Beamwidth -3 dB	Transmit	0.90°
	Receive	1.01°
Mechanical		
Dimensions	Stowed	2156×1500×460mm (l×w×h)
	Deployed	2091×1500×2089mm (l×w×h)
Weight		≤125kg
Drive System		3 axis dynamoelectric
Travel	Azimuth	±220°
	Elevation	0°—90°
	Polarization	-35°—150°
Speed	Azimuth	0. 2—2°/s
	Elevation	0. 2—2°/s
	Polarization	6°/s
Torsional	Azimuth	2000Nm
	Elevation	2000Nm
Mechanical back-driving		≤0.05°
Controllers		
ACU set	Size	2U 19 inch depth 500mm
	Weight	9kg
Signal Detection		Beacon Receiver/DVB Receiver
Acquisition Method		Semi-automatic Automatic and One-Button Acquisition
UI Language		Chinese
Extra Equipment		GPS、inclinor、Compass
Auto Acquisition Time		≤5min
Acquisition Precision		≤0.8dB
Stow Time		≤3min

Power Supply	
Input Power	AC 220V
Power Consumption	≤500W
Environmental	
Operational Temperature	-20—60℃
Survival Temperature	-55—70℃
Operational Humidity	≤95% (30℃)
Operational Wind Speed*	21m/s Gusts to 28.4m/s Will not be broken in 35.9m/s
Survival Wind Speed	Deployed ≥35m/s
	Stowed ≥53m/s
Height Above Sea Level	≤4500m
Dust	Can use in mostly of desert
Rain	6mm/min and at least 60min , no leakage
Salt Atmosphere	Can use in mostly of littoral

*: depends on mechanical strength of vehicle

F、 service:

1. Installation of antenna and acu and vehicle refitting;
2. The antenna and ACU are guarantee for a year or two years as the client's need;
3. Tele-support 、 local service、 return to factory.