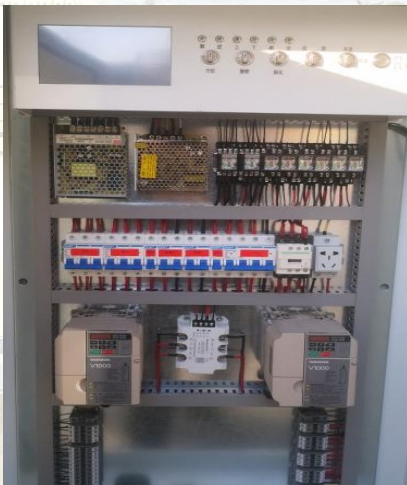


Features:

- Real-time accurate display of antenna azimuth, elevation, polarization angle and AGC voltage;
- Preset and modify complete parameter information of 50 satellites, which is convenient for one-key guidance;
- With constellation guidance, automatic tracking, scanning, position guidance, manual operation and other functions;
- With high and low speed control for azimuth and elevation, the speed ratio of high and low speed can reach more than 10:1;
- New system menu design and operation experience;
- Provides comprehensive prompts, alarm messages and mechanisms.



- Structure form: 3-axis, separate ACU/ADU
- Applicable antenna: 6.2m, 7.3m, 9m, 13m;
- Operation mode: manual, automatic;
- Working temperature: -20°C ~ 60°C;
- Standard configuration: antenna control unit, antenna drive unit, beacon tracking receiving unit, photoelectric encoder, flame retardant cable and connectors;
- Optional: remote control system.

Main functions:

- RF signal, angle signal, antenna limit signal collection.
- Display of antenna, control mode, beacon signal voltage, antenna position and other information.
- System control in automatic and manual operation mode.
- Operation of functions such as antenna satellite position guidance, automatic tracking, position guidance and system settings.
- High and low speed control for AZ, EL axis.

Function Description

- **Sat Guide:** Guide the antenna to the target position according to the user's selection of satellites.
- **Scan/Track:** Automatic tracking is to automatically control the rotation of the antenna in all directions according to the strength of the satellite beacon, so that the antenna can locate at the position with the strongest signal; Scanning is based on the range of azimuth and elevation set by the user to scan the whole range according to the set step distance and mode within this range, and finds the maximum signal point within this range.
- **Manual:** Through the button operation in each direction to control the movement of antenna in all directions.
- **Position guide:** Lead antenna to the specified position based on the selected offset direction and the input angle value.
- **System setting:** Set the encoder calibration, local longitude and latitude, tracking parameters, software limit, satellite information, system time, password management and other functions.
- **Speed setting:** switch high and low speed for AZ/EL axis as per request.



System specifications

Item	Description
Applicable antenna	4.5m, 6.2m, 7.3m, 9m, 13m
Structure type	Seperate ACU and ADU
Drive speed	Dual speed(High and Low)
System power consumption	3500W
Angle display range	0~360°
Angle display resolution	0.01°
Encoder accuracy	AZ/ EL axis: 0.01° POL axis: 0.08°
Tracking accuracy	1/10 reception beamwidth
Preset satellite	ACU supports 50 satellites ADU supports 10 satellites
Remote interface	RJ-45 network(optional fiber interface)
Working environment	Working temperature(outdoor: -20°C~60°C; Cable working temperature: -20°C~60°C;(optional: low-temperature cable: -30°C~90°C)
Power supply	Antenna controller: AC 220V±10%, 50/60Hz Antenna drive unit: AC 380V±10% 50/60Hz
Dimension	Standard Chassis 6U ADU external dimension: 560×340×1400mm
Safety	1. Soft and hard limits provide guarantee for the safe operation of the antenna; 2. The cables are all flame retardant series cables; 3. Each rotating shaft is equipped with an independent circuit breaker, which further improves the safety of the system.