

# AC3500 Antenna Control System(AC Control System)

## AC3500



## GUI



## General Description:

The Probecom Model AC3500 Antenna Control Unit AC3500 ACS as a suit of antenna pointing system, it can manually or automatically control antenna rotation to precisely pointing to the satellite. The ACU adopts ARM9 series microprocessor and thus reliably guarantees the accuracy and stability of algorithm for antenna tracking system. Provided with standard RJ45 cable interface and The human-computer interface is designed by a 7-inch color touch screen with decent appearance and easy for operation.

Control unit and drive unit are integrated into one 3U standard chassis

## Highlight:

- ◆ Integrated in 3U standard chassis(include ACU&ADU)
- ◆ ARM9 series microprocessor
- ◆ WINDOWS CE6.0 CORE operating system.
- ◆ 16-bit Optical resolver
- ◆ 7.0-inch (16:9) TFT True Color LCD touch screen
- ◆ Two speed driver(high for slew ,Low for tracking)
- ◆ 0.001° display for AZ and EL
- ◆ 100 Satellite Positions Preset
- ◆ Emergency Stop
- ◆ Remote control over Ethernet or Various serial port
- ◆ Big screen display of alarm, antenna position and fault indication.
- ◆ Software and hardware travel limit switches ensure the safety operation.
- ◆ Integrated beacon receiver as a option

## Modes of Operation

- ◆ STANDBY
- ◆ MANUAL
- ◆ STEPTRACK
- ◆ MEMORY TRACKING

## Tracking Accuracy

Better than 10% receive 3dB beam width RMS in Step Tracking

## Controls / Interfaces

Front panel Local control  
 Remote: Ethernet,  
 Serial: RS-422,OR RS-232,OR RS-485  
 Receiver Interface: 0-10 VDC OR RS-232  
 Alarm: Summary output

## Environmental

Temperature: 0 to 50° C  
 Humidity: 95% non-condensing

## Electrical

100-240 VAC,47-63 Hz 100 W typical  
 Motor Size: 1-3 HP standard  
 Larger sizes available

## Mechanical

Height:3 Rack Units  
 Width: 19"  
 Depth: 19"