

AC3000EL antenna Control system (AC Control System)

AC3000EL-ACU



AC3000EL-ADU



General Description:

The Probecom Model AC3000EL Antenna Control Unit enables satellite earth station antennas to accurately track geostationary. AC3000EL antenna control system is based on windows 7 operation system and IPC structure.

ACU and ADU communication via fiber up to 400M.

The system has high reliability, and maximum flexible system configuration. Easy operation and human interface.

This system using Optical electric resolver to ensure the drive and tracking accuracy.

The system is remotely controllable over Ethernet via TCP/IP

Highlight:

- ◆ windows 7 Operation system
- ◆ IPC structure
- ◆ Two speed driver(high for slew ,Low for tracking)
- ◆ 7.0-inchTFT True Color LCD touch screen
- ◆ 12-bit Optical electric resolver(16-bit Optical electric resolver optional)
- ◆ ACU and ADU communication via fiber
- ◆ 0.005°display for AZ and EL
- ◆ Emergency Stop
- ◆ Easy upgrade the software
- ◆ highly scalability for ACU and ADU
- ◆ Remote control over Ethernet
- ◆ Software and hardware travel limit switches ensure the safety operation.
- ◆ Integrated beacon receiver module or DVB receiver module Optional
- ◆ Two Axis Control for Az and El .Polarization optional.

Modes of Operation ◆ STANDBY ◆ MANUAL ◆ STEPTRACK ◆ PROGRAM TRACKING (option)	Tracking Accuracy Better than 10% receive 3dB beamwidth RMS in Step Tracking Program tracking: 0.02 °	
	Controls / Interfaces Front panel Local control Remote: Ethernet, Receiver Interface: RS-232 or (0-10v) analog voltage optional Alarm: Summary output	Environmental Temperature: -10°C ~ + 50°C; Optional: - 40 ° ~ 50 ° C Humidity: 95% non-condensing
Electrical ACU: 220 (± 10 %) V, 50 (± 5 %) Hz, 100W typical ADU: 380 (± 10 %) V, 50 (± 5 %) Hz; Power capacity: 10KW		Mechanical ACU: Height: 4 Rack Units Width: 19" ADU: Height: 1550mm Width: 720mm Depth: 400mm