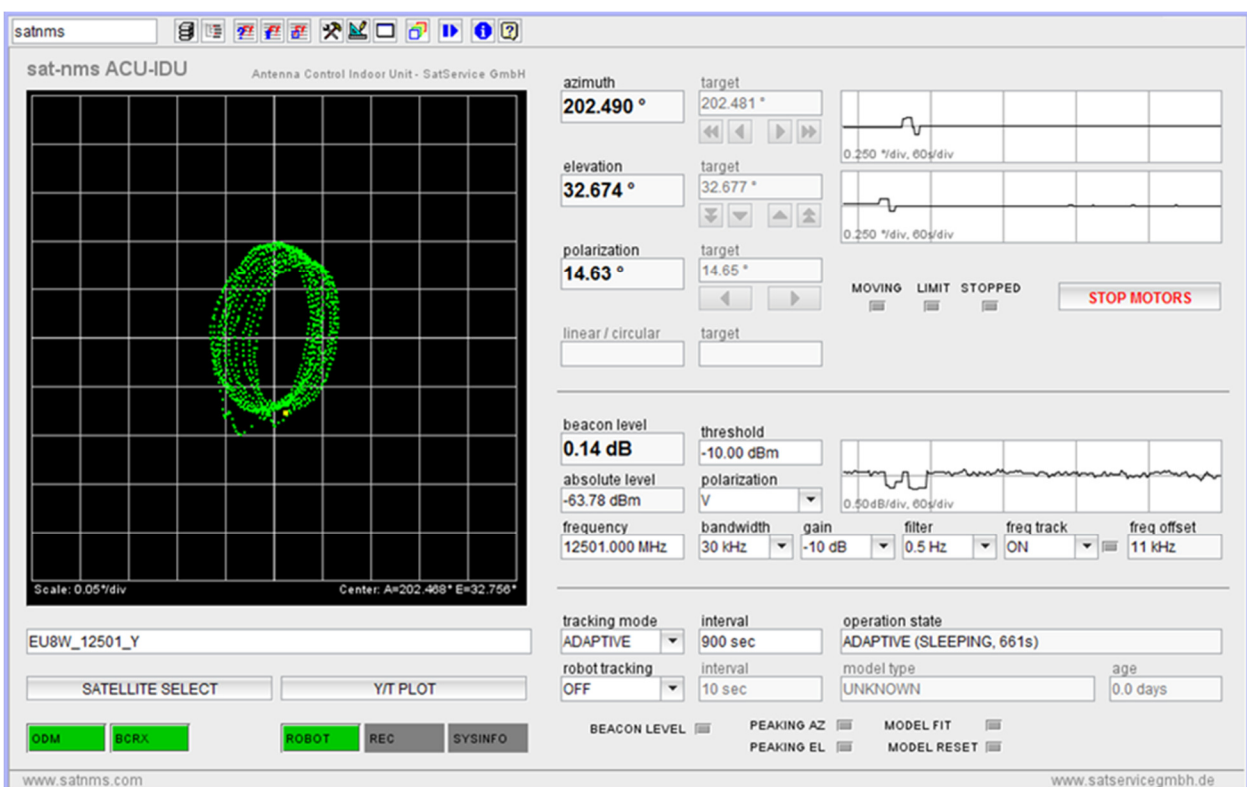


sat-nms ACU-IDU – Antenna Control Unit – Indoor Unit

The **sat-nms ACU-IDU** is for customers who want to have a more classical antenna step-track system that also provides an indoor unit. This **sat-nms** ACU system provides even more functionality like data archiving, tracking on the basis of intelsat data, two-line Kepler elements, graphical presentation of the angular and beacon level variation via time and other sophisticated features.

The **sat-nms ACU-IDU** is an industrial PC incorporating digital technology for accurate antenna tracking with high reliability, flexibility and user-friendly operator interface. This is based on **sat-nms** M&C system. This system is ideally suited for all kind of satellite ground station antennas.



Key Features

- Graphical presentation of Az, El, Pol & Beacon
- Compliance Monitoring & Recording
- User friendly operator Interface
- Client-Server software Architecture
- Logo LED indicates status in real-time
- Client is independent from Operating System
- Event/Alarm Log with Filter Utilities
- Pointing Robot & Ephemeris data Tracking
- Full remote Administration and Support



Technical Specification

Hardware Specifications

CPU	Intel Celeron 2980U/1.6 GHz/2cores/2MB cache/TDP 15W
Cooling	Passive/Fanless
Memory	128 GB-SSD-iMLC 1
Graphics Controller	Intel HD Graphics up to Two independent Screens
RAM	4 GB DDR3L/SO-DIMM

System Interfaces

Power Connector	1x Phoenix contact type SPC5/2-STCL-7.62 BK (1711708)
I/O Connector	1x Phoenix Contact type DFMC 1,5/ 3-ST-3,5-LR BK for Ext.PWR On/Off Switch
Ethernet	3x RJ45 GB Ethernet (eth0 = Port3/eth1 = Port2/eth3 = Port1)
USB	2x USB 3.0/ 2x USB 2.0
Serial	1x RS-232, 9-Pole D-sub male (tty USB0)
Display	1x DVI

Software Specifications

Operating System	Debian based
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Display Specifications

Display Device	TFT LCD/15.4 inches/16 million colors/Display format 16:10/1280x800 pixels
Screen	Anti-glare/Capacitive Touch
Features	Water detection/Hand Palm rejection/Operation with gloves
Backlight Life	50,000 hours min/Backlight Brightness adjustment 200 levels

Electrical and Mechanical Specifications, Environmental Conditions

Power Supply	Input 100-240VAC, 50/60Hz, 1.4A/ Output 24V DC, 5.0 A, 120W Max
Power Consumption	24 VDC/max. 84W (inkl. USB & PCIe)
Dimensions with Rackmount Kit	483x310x120mm/ 7 RU
Weight	10.3 Kg
Temperature Range	0 to 55° C
Operating Humidity	Up to 90% non-condensing
Safety	IP65 Front/ IP20 Back

