PROTECTIIS 3.60m Wide Band NE7670-0

This station is designed for signals Receive in L, S, C, X, Ku and K frequency band.

A friendly Man Machine Interface installed on a PC allows its remote monitoring & control via Ethernet link.

Specifications

TM Antenna	
Source	Mechanical scanning
Frequency	0900-26000 MHz
Gain	See page 3
Polarization	RHCP and LHCP
3 dB Beamwidth	See page 3
Axial ratio	< 2 dB
Side lobes	< 15 dB
Mechanical specifications	
Elevation range	-5° to +90°
Azimuth range	Unlimited (Continuous rotary joint)
Rotation speed max	≥ 20°/s
Pointing accuracy	± 0.08° (in manual mode)
Total weight	~2900 kg (with radome)
Color	White RAL9003

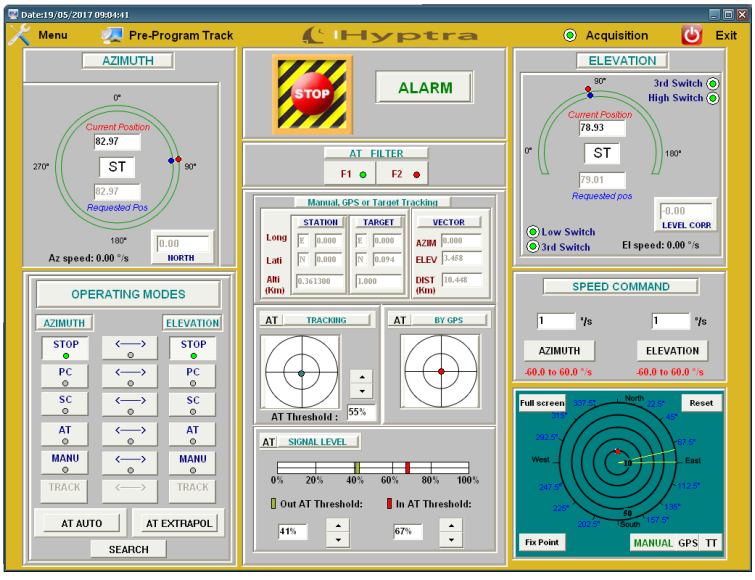
Environnemental specification	
Storage temperature	-30°C to +70°C
Operating temperature	-10°C to +55°C (outdoor)
Relative humidity	0 to 100% (outdoor)
Electrical specification	
Pedestal peak consumption	0.3 kVA, 210-240 VAC, 50Hz
Air conditioner peak consumption	0.8 kVA, 210-240 VAC, 50Hz
Radome	
Dimensions	Ø5,50m x 5,75m
Composition	Polyester resin/glass fiber
Protection	Anti UV Gelcoat (white RAL9016)
Wind resistance	200 km/h
K band attenuation	1.6 dB

Options

Up to 16 bits digital encoder (0.005° pointing accuracy)
Rotation speed on demand
Inertial measurement unit (North and level)
Tracking receiver
Embedded GPS

Antenna control unit (ACU)

The dedicated software, through the color display, provides a user friendly interface (see below non contractual example of ACU screen)
The software can easily be customized for user's needs.



Operating modes

STOP, PC, SC, Manual, GPS, AT, fixed points, Survival, GPS assisted AT

Link to website

HYPTRA

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Tracking Down Excellence

Hyptra

Mechanical scanning feeds

0.9-1.9 GHz feed	
Gain	30.5 dBi typ. @ 1400 MHz
3 dB Beamwidth	~4° @ 1400 MHz
Weight	~8.4 kg
1.8-3.8 GHz feed	
Gain	34 dBi typ. @ 2800 MHz
3 dB Beamwidth	~2° @ 2800 MHz
Weight	~4.5 kg
3.7-7.7 GHz feed	
Gain	40.5 dBi typ. @ 5700 MHz
3 dB Beamwidth	~1° @ 5700 MHz
Weight	~3.5 kg
7.6-16 GHz feed	
Gain	44.5 dBi typ. @ 11800 MHz
3 dB Beamwidth	~0.5° @ 11800 MHz
Weight	~1.7 kg
16-26 GHz feed	
Gain	49 dBi typ. @ 21000 MHz
3 dB Beamwidth	~0.25° @ 21000 MHz
Weight	~1.1 kg