

ESY DA120



Technical Specifications

The ESY DA120 Drive-Away Antenna is a 1.2m auto-acquire satellite antenna system which can be mounted on the roof of a vehicle for Broadband Internet Access over any configured satellite. The system works seamlessly with the ESY Controller providing fast satellite acquisition within minutes, anytime anywhere.



Features

- high surface accuracy, 120 cm Composite reflector
- 3 automatic axes Azimuth, Elevation and Polar
- Supports manual control when required
- One button, auto-pointing controller within 2 minutes
- User-friendly interface
- Level sensors for automatic vehicle tilt compensation until 15° and automatic cross-pol alignment
- Parking position below the horizon to maintain the vehicle's aerodynamics

If you operate in Ku-band, the 1200 system is easily configured to provide instant access to satellite communications for any application that requires reliable and/or remote connectivity in a rugged environment. Ideally suited for industries such as Oil & Gas Exploration, Military Communications, Disaster Management, SNG, Emergency Communications Backup, Cellular Backhaul and many others.

+0098 912 00 89 894 | +0098 21 44 78 44 25

www.esytech.ir

Specifications are subject to change Jan 2022

ESY DA120



Technical Specifications

Mechanical

Reflector	1.2m Composite offset dish
Azimuth	$\pm 240^\circ$
Elevation	0 – 130°
Polar	$\pm 90^\circ$
Azimuth Deploy Speed	10°/Sec typical
Elevation Deploy Speed	Variable, 5°/Sec typical
Polar Deploy Speed	10°/Sec typical

RF

	Receive	Transmit
Frequency(GHz)	10.95-12.75	13.75-14.50
Midband Gain (+-0.2dBi)	41.8dBi@11.95	43.3dBi@14.25
VSWR	1.3:1	
RF Interface coaxial	RG6	
Motors	36V, 7 Amp	
Lock on Time	30 sec	

General

Deployment	GPS Antenna
Sensors	Compass Tilt sensor $\pm 0.5^\circ$
Wind loading	
Temperature	-40° – 65°
Operational Temperature	-25° – 55°
Survival Temperature	82 km/h (50 mph)
Weight	70 kg
Dimension	L 160 cm B 60 cm H 40cm

Control Unit

Handy panel Dimension	4.5*9*23 cm
Weight	200 g
Interface	
Local user interface	2*16 LCD Display, 3 Status-LEDs, 11 Push-Buttons
Operational Temperature	-25° – 55°
Survival Temperature	-40° – 65°

+0098 912 00 89 894 | +0098 21 44 78 44 25

www.esytech.ir

Specifications are subject to change Jan 2022