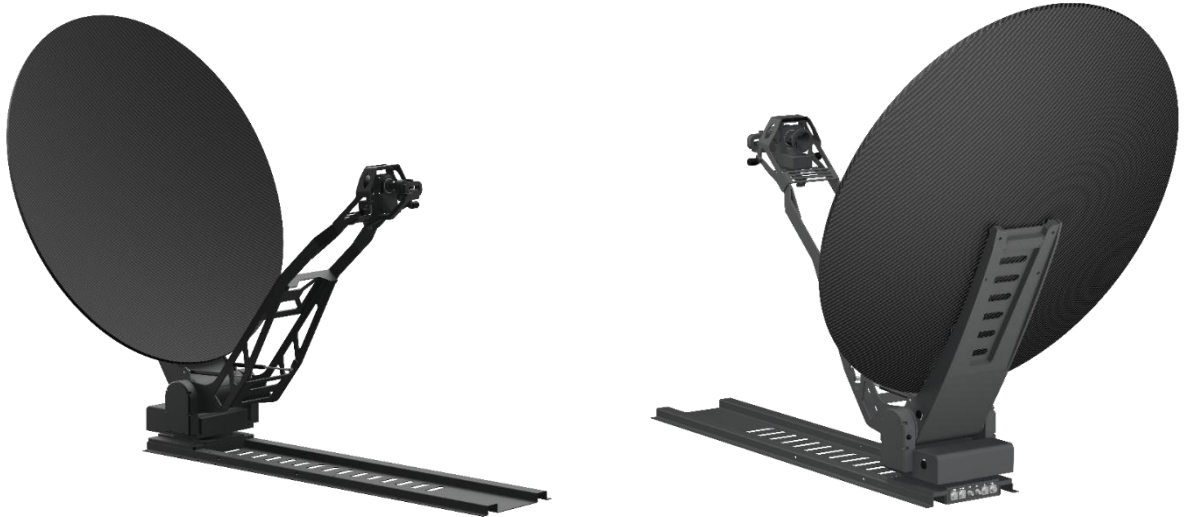


## ASDA120



### Salient Characteristics

- One Button Pointing, Integrated GPS/BD and compass, easy operation.
- Carbon fiber reflector, lightweight, superior rigidity and strength, high performance reflector precision  $\leq 0.3\text{mm}$
- Support polarization closed-loop working mode to effectively reduce the polarization interference caused by inclined ground.
- High-precision harmonic reducer drive, to ensure the accurate pointing accuracy of the antenna
- Unique dynamic pointing correction technology against the slightest motion on the vehicles due to strong winds or personnel access to ensures that the antenna locks the satellite in real time.
- DVB and Beacon Receiver dual mode for antenna pointing for variety situation
- Fast satellite signal acquisition, locked within 2 minutes,
- Built-in WiFi and Web GUI easy for PC and Mobile configure and control, is available to work with windows, Android, Hongmeng OS environment

### Option

- 1.0m, 1.2m, 1.8meter
- C, X, Ka, DBS, Ku-band
- Carbon Fiber reflector and SMC reflector of 1.2meter

## Specification

RF specification				
Antenna Size	1.2m			
Reflector Material	Carbon Fiber			
Antenna Type	Single Offset			
Working Frequency(GHz)	Ku Band		Ka Band	
	Rx	Tx	RX	TX
	10.70	13.75	17.7	29.0
	12.75	14.50	21.2	31.0
Polarization	Linear H/V		RHCP/LHCP	
Gain (dBi)	41.4+20lg(f/12.5)	43+20lg(f/14.25)	45.8+20lg(f/20)	49.4+20lg(f/30)
Sidelobe	-14dB			
X-pol Isolation (dB)	35 (On axis)		-	
Axis Ratio (dB)	-		1.5	1.5
Tx-Rx Isolation (dB)	85	-	85	-
Rx-Tx Isolation (dB)	-	40	-	40
VSWR	1.50:1	1.30:1	1.50:1	1.30:1
Interface	WR75	WR75	WR42	WR28

Mechanical Specification	
Azimuth Range	± 220°
Elevation Range	10° to +90°
Polarization Range	± 90°
Azimuth Velocity	10°/sec typ.<15°/sec (steps in ± 0.01°)
Elevation Velocity	10°/sec typ.<15°/sec (steps in ± 0.01°)
Pol Velocity	3°/sec typ.
Weight	59Kg
Dimension	1650×1250×355mm

Environment Specification	
Operation Wind Speed	72 km/h
Survival Wind Speed	161 km/h
Working Temperature	-30°C to +60°C
Store Temperature	-40°C to +70°C
Work Altitude	≤5000m
Protection level	IP65
Working Humidity	0%-98%

Electric Specification	
RF interface	Rx and Tx: Type N (75-ohm)
Drive motor	DCBL motor
Power Input	90 - 264 VAC, 50/60Hz
Power Consumption	With motors– 400 Watts, Without motor – 55 Watts