

## DATA SYSTEMS



# AXS 370 AXS 550

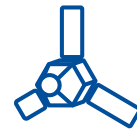
## Satellite Tracking Antennas LEO Satellites in S / X-Band



### SATELLITE TRACKING SOLUTIONS

**AXS Series** antennas are lean versions of the well-known systems deployed by Safran Data Systems worldwide, over the past decade, for high performance customers. Customers can benefit from this technology to support **LEO satellites in X-band Rx, S-band Rx and S-band Tx.**

Proposed in baseline as **stand-alone products**, our COTS AXS antennas can also be efficiently integrated into a **complete system** with Safran Data System's **Satcore<sup>Direct</sup> baseband**, either by Safran Data Systems or by the customer.



Scientific  
Commercial  
Satellites



Small  
Satellites



Service  
Providers

### COMMERCIAL OFF-THE-SHELF

Cost-Effective Antennas

### HEXATRACK TRACKING

Safran Data Systems Patented  
Software Algorithm

### SIMULTANEOUS DUAL-POLARIZATION

For both S & X-Band Rx

### SIMPLICITY & RELIABILITY

Easy Deployment &  
Maintenance

### PERFORMANCE

Best in Market

CONNECTING NEW SPACE

## SATELLITE TRACKING SOLUTIONS

# AXS 370 / AXS 550

	MODEL	AXS 370	AXS 550
	DIAMETER	3.7m (12 ft)	5.5m (18 ft)
	CONFIGURATION	X or S or S+X	
S-Band Rx [2.200 – 2.300 GHz] Tx [2.025 – 2.120 GHz]	G/T Mid-Band, 5° Elevation, Clear Sky, +20°C, Continental	>13 dB/K	>16 dB/K
	Rx Polarization	LHCP or RHCP (select at order) • Option: Simultaneous Dual Polarization	
	EIRP @ Psat	50 dBW • Option: 54 dBW	52 dBW • Option: 56 dBW
	Tx Polarization	LHCP or RHCP (Switchable)	
X-Band Rx [7.900 – 8.500 GHz]	G/T Mid-Band, 5° Elevation, Clear Sky, +20°C, Continental	>27 dB/K	>30.5 dB/K
	Rx Polarization	LHCP or RHCP (select at order) • Option: Simultaneous Dual Polarization	
	Specific Filtering	On-Demand	
Mode of Operations	Auto-Track Mode	Hexatrack (Option)	
Accuracies	Tracking Accuracy	0.13° rms	0.10° rms
	Pointing Accuracy	0.13° rms	0.10° rms
Environmental Conditions	Operating Wind	90 km/h (56 mi/h) gust	
	Survival Wind	180 km/h (112 mi/h)	200 km/h (125 mi/h)
	Operating Temperature	-20° C to +50° C ( 14° F to 122° F) • -40° C to +50° C (-40° F to +122° F) with Available Options: Winter Package, Deicing, Radome	
	Outdoor Equipment Weight	750 Kg (165.4 lb)	5,000 Kg (11.023 lb)

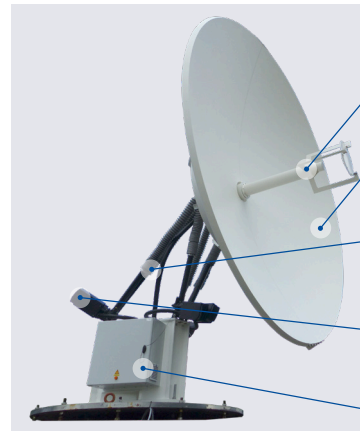
### ▶ PEDESTAL SPECIFICATIONS

#### Tracking Any Satellite from 400 km (250 miles) Altitude

Azimuth Travel Range ..... Unlimited  
 Elevation Travel Range ..... 0° / +180°  
 Angular Velocity ..... 3°/s, Any Direction  
 Angular Acceleration ..... 10°/s<sup>2</sup>

### ▶ AVAILABLE OPTIONS

- ▶ Simultaneous Dual Polarization in All Bands
- ▶ Loop-Back Tests
- ▶ Hexatrack
- ▶ SSPA
- ▶ Satcore Baseband
- ▶ MCS Server



Single Feed for S & X-Bands  
Calibrated at factory

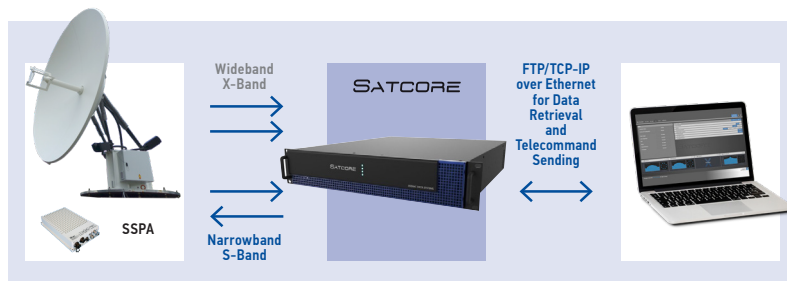
2-Piece Auto-Aligned Reflector  
Easily installed with no tuning

State-of-the-Art Hexapod Pedestal  
Delivered fully assembled  
Already Ka-band compatible

Small & Accessible All-in-One  
Servo Motors  
For self maintenance

Micro-Riser  
Integrating ACU & RF equipment

All AXS antennas parts are factory calibrated. They are delivered pre-assembled to simplify customer installations.



## AXS Series Low Risk, High Performance & Right Price

#### GLOBAL SALES

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#### USA

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