

Medium & Large Fixed Antennas Comparison

General Dynamics SATCOM Technologies provides a wide range of medium and large fixed antennas for transit/receive and receive only applications. Our antennas feature high antenna efficiency and excellent rejection of noise and microwave interference. Our antennas are available in a variety of sizes (3.8M to 16.4M) and frequency bands (C through Ku) to fit your application.

Medium Antennas	3.8 PM	3.8 VX	4.8 PM	4.8 KP	4.8 BG	6.3 KX	6.3 TH	7.3 KX	7.3 TH
Positioning	Manual	Motorized	Manual	Motorized	Motorized	Motorized	Motorized	Motorized	Motorized
Antenna Diameter	3.8 Meters (12.5 feet)	3.8 Meters (12.5 feet)	4.8 Meters (15.83 feet)	4.8 Meters (15.83 feet)	4.8 Meters (15.83 feet)	6.3 Meters (20.83 feet)	6.3 Meters (20.83 feet)	7.3 Meters (24 feet)	7.3 Meters (24 feet)
Antenna Type	Dual Offset Design	Dual Offset Reflector Design	Compact Cassegrain Design	Compact Cassegrain Design	Compact Cassegrain Design	Compact Cassegrain Design	Compact Cassegrain Design	Cassegrain Design	Cassegrain Design
AZ Travel	360° course, 40° fine adjustment	190° (2 segments of 120°)	360° course, 40° fine adjustment	120° continuous	200° continuous	200° (2 segments of 120°)	180° continuous	200° (2 segments of 120°)	200° continuous
EI Travel	0 to 90° continuous	0 to 90° continuous	0 to 90° continuous	0 to 90° continuous	0 to 90° continuous	0 to 90° continuous	0 to 90° continuous	0 to 90° continuous	0 to 90° continuous
Drive Type	Manual Struts	Jack Screw	Manual Struts	Jack Screw	Gear Drive	Jack Screw	Gear Drive	Jack Screw	Gear Drive

Large Antennas	9.0 KX	9.0 TH	9.2 KXKa	11.1 KX	11.1 BG	13.1 KP	13.1 TH
Positioning	Motorized	Motorized	Motorized	Motorized	Motorized	Motorized	Motorized
Antenna Diameter	9.0 Meters (29.5 feet)	9.0 Meters (29.5 feet)	9.2 Meters (30.18 feet)	11.1 Meters (36.5 feet)	11.1 Meters (36.5 feet)	13.1 Meters (43.0 feet)	13.1 Meters (43 feet)
Antenna Type	Cassegrain Design	Cassegrain Design	Cassegrain Design	Cassegrain Design	Cassegrain Design	Cassegrain Design	Cassegrain Design
AZ Travel	200° (2 segments of 120°)	200° continuous	180° (2 segments of 95°)	200° (2 segments of 1110°)	200° continuous	180° (3 segments of 70°)	200° continuous
EI Travel	0 to 90° continuous	0 to 90° continuous	0 to 90° continuous	0 to 90° continuous	0 to 90° continuous	0 to 90° continuous	0 to 90° continuous
Drive Type	Jack Screw	Gear Drive	Jack Screw	Jack Screw	Gear Drive	Jack Screw	Gear Drive

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