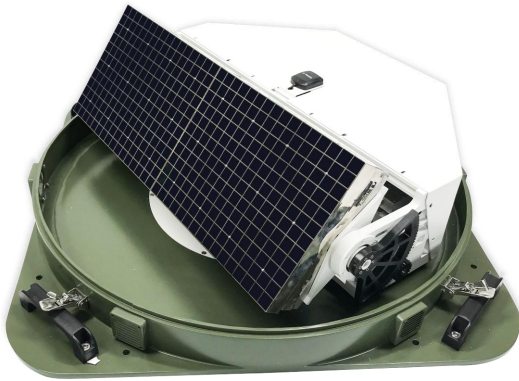




RT-SOTMA 系列车载 Ku 频段动中通天线



RT-SOTMA 系列车载动中通天线由天线单元（包括平板天线面、波导馈电网络等），天线罩，惯性导航系统，天线伺服系统（包括转台、高频关节、电机及其驱动器、位置传感器等），电机与齿轮减速机构及电源等组成，具有效率高、结构轻便等特点。

model		RT-SOTMA45	RT-SOTMA60
Stable Type		Two-axis stability, four-axis tracking	Two-axis stability, four-axis tracking
Reflection surface size (equivalent)		Φ45mm	Φ60mm
Overall dimensions (diameter × height)		Φ710×300mm	Φ1275×286mm
weight		≤35Kg	≤60Kg
Operating frequency	RX	12.25~12.75GHz	12.25~12.75GHz
	TX	14.00~14.50GHz	14.00~14.50GHz
type		平板波导喇叭阵列天线	平板波导喇叭阵列天线
gain	RX	32.52dBi@12.50GHz	35.52dBi@12.50GHz
	TX	34.0dBi@14.25GHz	36.2dBi@14.25GHz
Cross-polarization isolation		≥30dB	≥30dB
Signal polarization		linear	linear
Tracking accuracy		0.2° RMS	0.2RMS
range of motion	roll	-30° ~30° , cycle8s	-15° ~15° , cycle4s
	pitch	-30° ~30° , cycle8s	-15° ~15° , cycle4s
	Air partial	60° /s	60° /s

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Range of movement	direction	360°	360°
	pitch	0° ~90°	0° ~90°
	Polarization	360°	360°
Initial capture time		≤120s	≤120s
失锁再捕获时间		失锁<5min, ≤1s; 失锁<10min, ≤5s	失锁<5min, ≤1s; 失锁<10min, ≤5s
Tracking Inertial		Measurement, Signal Tracking	Measurement, Signal Tracking
Power input		48V DC/220V AC	48V DC/220V AC
Working temperature		-40°C~65°C	-40°C~65°C