

T.SENSOR

PASSIVE RF DETECTOR

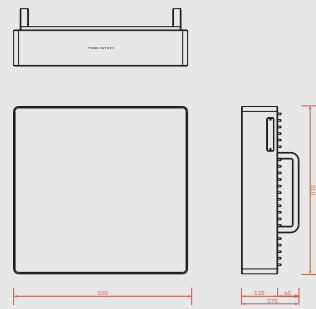
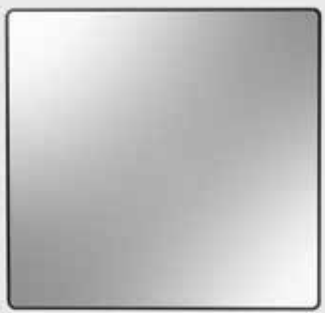
T.Sensor™ is a wideband RF detector featuring advanced RemoteID decoding and precision direction-finding capabilities. T.Sensor™ performs the following:

01 Detects pre-flight remote control signals, identifying drone manufacturers and models while locating operators for comprehensive threat intelligence.

02 Provides wideband RF coverage (400 MHz - 6 GHz) encompassing control signals, data links, and GNSS frequencies. Achieves 5 km detection range for commercial drones with 360° spatial coverage.

03 Employs triangulation across multiple CUAS sites using networked T.Sensor™s for precise drone position fixing.

When integrated with AESA T.Jammer™, T.Sensor™ enables precision reactive countermeasures, delivering autonomous defense against AI drone swarms.



Detection Range

5KM

Azimuth Coverage

360°

Specifications

Dimensions	Detection Module: 615 mm(diameter) x 400 mm(height) Antenna: 120 mm(diameter) x 600 mm(height)	Maximum Targets	60
		DF Accuracy	+/- 2.5°
Ingress Protection (IP)	IP66	Remote ID Decoding Positioning Accuracy	+/- 7.5 m
Weight	39 kg	Detection Range	5 ~ 35 km (depending on electromagnetic environment)
Frequency Coverage	400 MHz - 6 GHz (including: 433 MHz, 0.8-1.7 GHz, 2.4-2.483 GHz, 5.2-5.9 GHz selectable / schedulable)		
Azimuth Coverage	360°	Update Rate	1 Hz
Elevation Coverage	-45° ~ +90°	Power Consumption	< 100 W
Drone Classification	AI-based classification on product part number / protocol parsing	DC supply	24 V / 10 A
		AC Supply	100 ~ 240 V / 10 A
Remote ID	Support WiFi / BT for broadcasting RID ASTM F3411 DJI OcuSync DroneID protocol	Control Interface	Gigabit Ethernet