

HIKVISION®

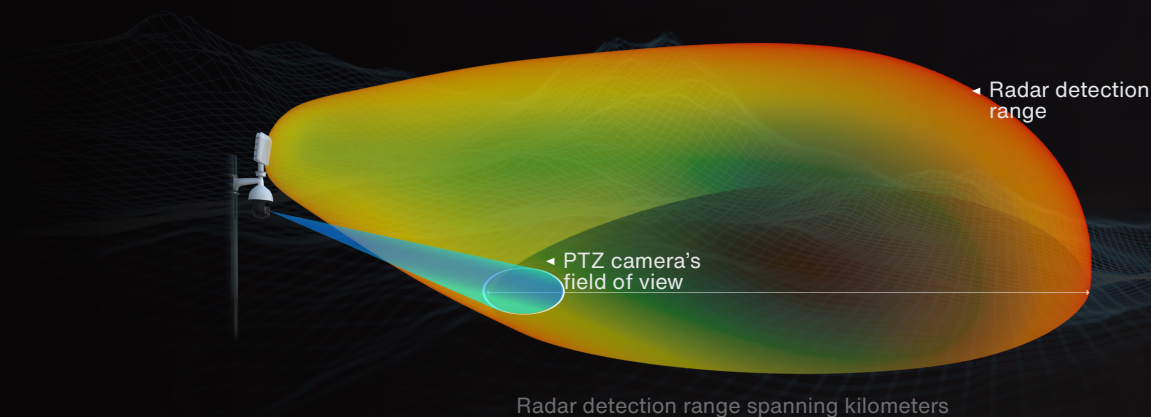
Security Radar

Beyond sight, within sweep



Why Security Radar?

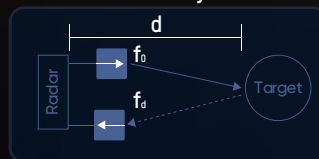
Offshore fish farms, ports, and power stations face security challenges due to their open and expansive layouts. Real-time tracking is crucial, but conventional methods are often hindered by weather conditions and limited visibility. Hikvision's security radar detects precise target position, speed, and distance, 24/7, without visibility dependency. It covers vast areas spanning kilometers, integrates with PTZ cameras for zoom tracking, and employs AI for accurate intrusion detection.



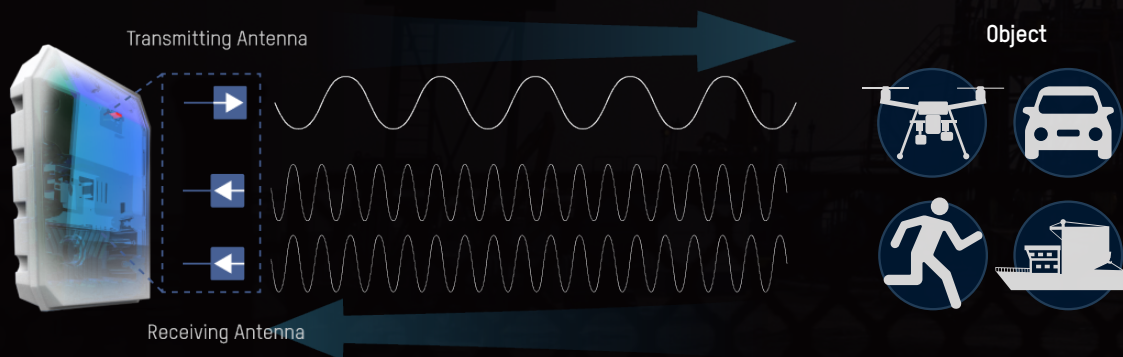
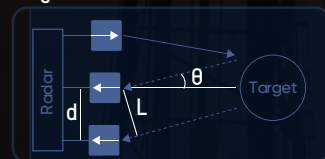
What is Radar Technology?

Hikvision's radar technology employs microwave and digital beamforming for precise object tracking. By extracting Doppler and angle information, the sensors deliver accurate positioning, movement direction, and velocity. It boasts early warning capabilities, enabling features such as video recording, alarms, and event recording.

Distance & Velocity



Angle



Product Highlights



Broad-spectrum,
long-range detection



Multi-target tracking for
up to 32 objects



3D detection for speed,
distance, and angle



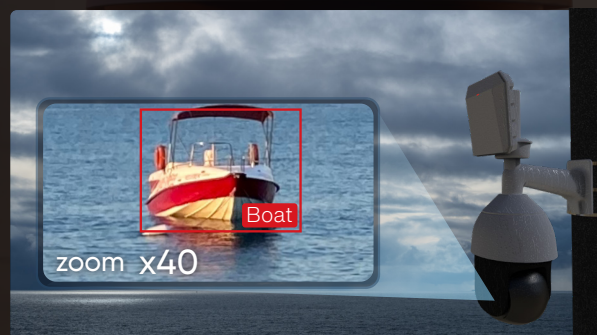
Seamless PTZ camera integration



Streamlined zooming and feature acquisition



AI target identification and classification

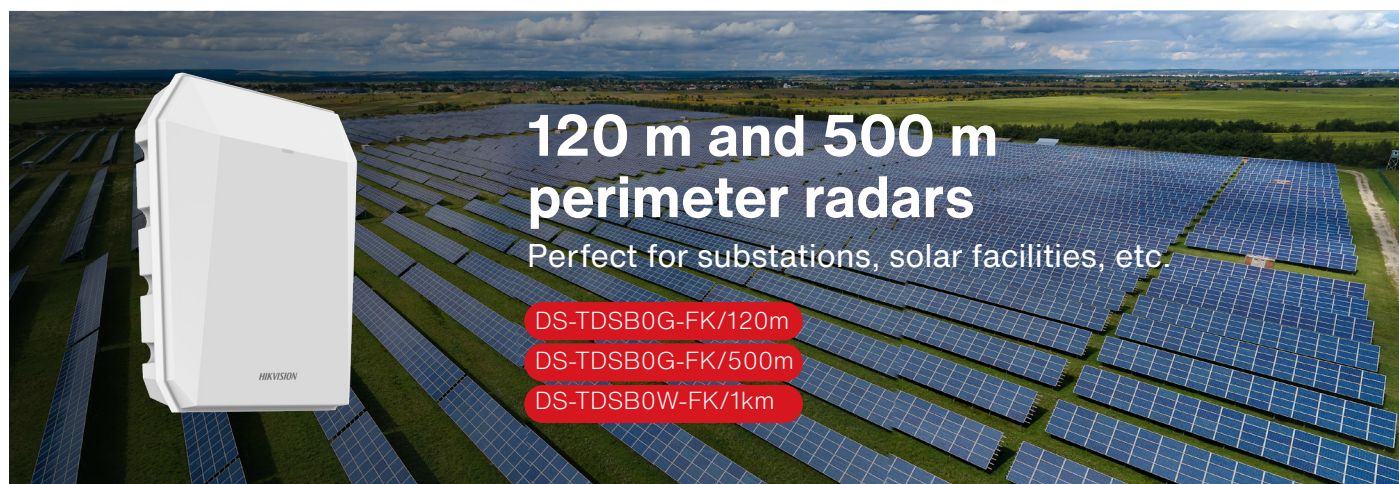


Excellent environmental
adaptability



IK10, IP67, and
NEMA 4X certified

Product Showcase



120 m and 500 m perimeter radars

Perfect for substations, solar facilities, etc.

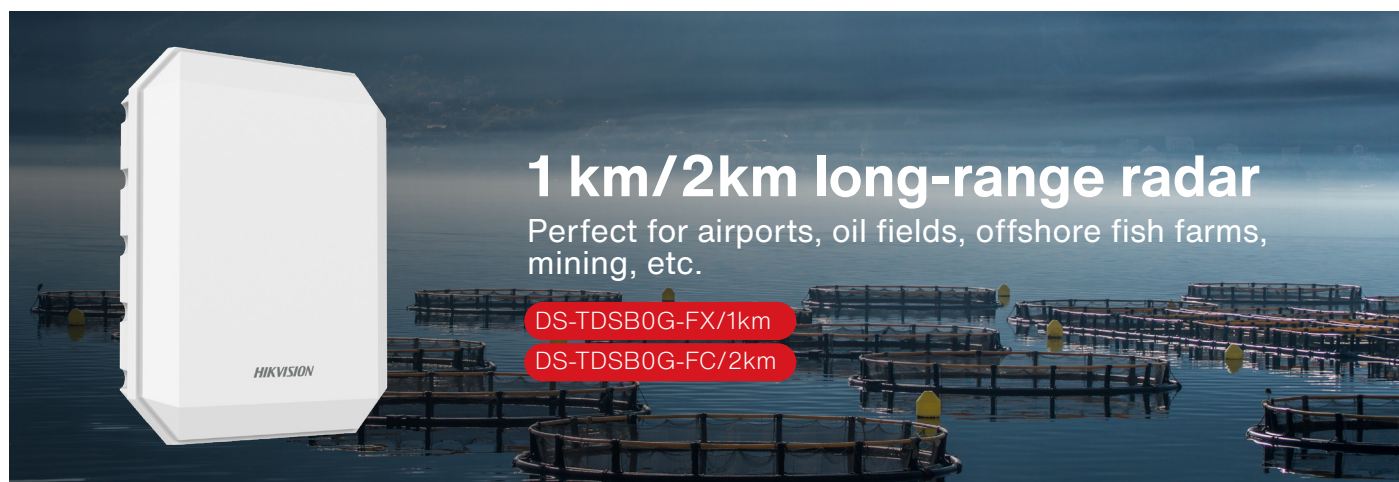
DS-TDSB0G-FK/120m

DS-TDSB0G-FK/500m

DS-TDSB0W-FK/1km

Working frequency	24.05 to 24.25 GHz	Distance measurement accuracy	±1.2 m
Modulation waveform	FMCW	Detection distance	Human: up to 500 m Vehicle and boat: up to 1000 m
Horizontal detection angle	120°/100°	Max. detectable targets	up to 32 targets
Vertical detection angle	30°	Max. detectable zones	up to 16 zones
Speed measuring range	-19 to 19 m/s	Max. detection trigger lines	up to 4 trigger lines

Multi-target trace following and multi-dimensional video linkage
Strong environment adaptability with 24/7 all-weather operation



1 km/2km long-range radar

Perfect for airports, oil fields, offshore fish farms, mining, etc.

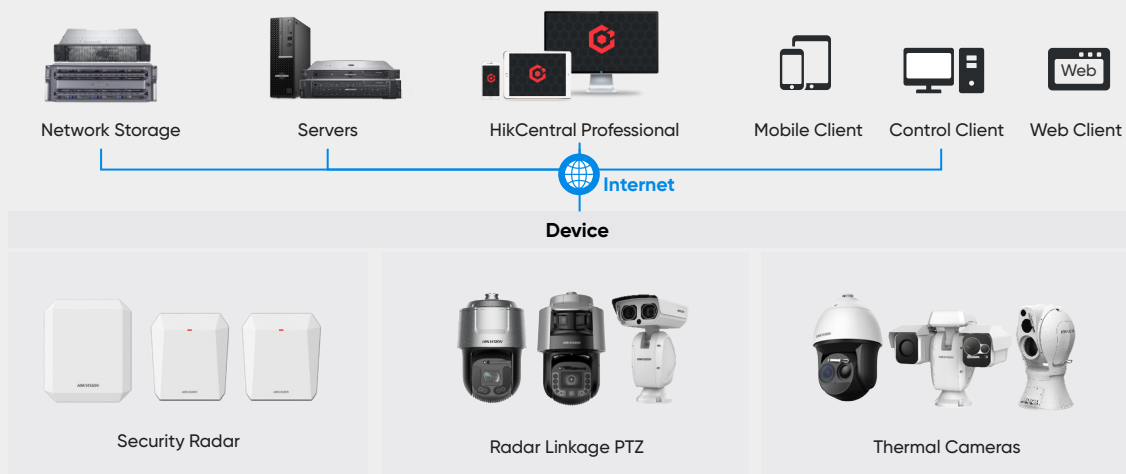
DS-TDSB0G-FX/1km

DS-TDSB0G-FC/2km

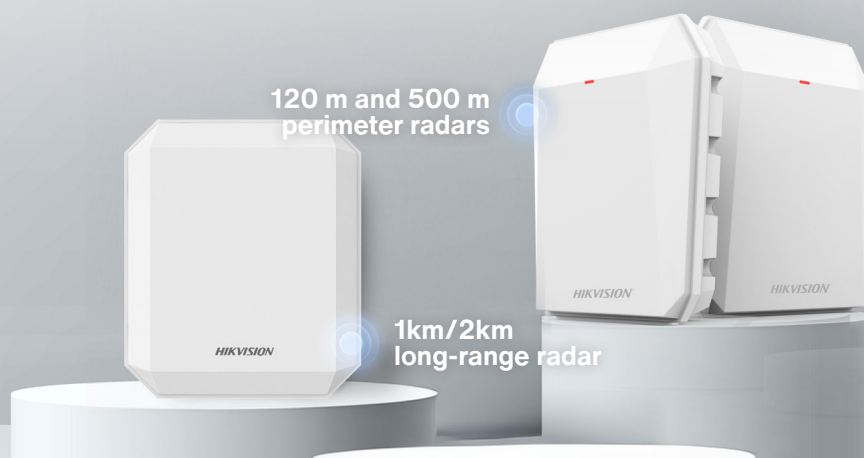
Working frequency	X band/ C band	Distance measurement accuracy	up to 2 m
Modulation waveform	FMCW	Detection distance	Human: up to 1800 m Vehicle and boat: up to 3000 m
Horizontal detection angle	90°	Max. detectable targets	up to 32 targets
Vertical detection angle	30°/18°	Max. detectable zones	up to 16 zones
Speed measuring range	-30 to 30 m/s	Max. detection trigger lines	up to 4 trigger lines

Multi-target trace following and multi-dimensional video linkage
Strong environment adaptability with 24/7 all-weather operation

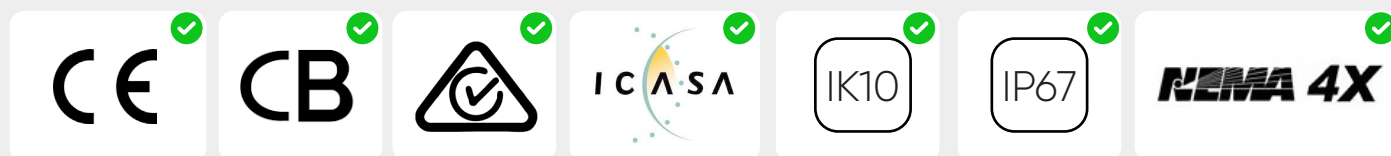
Security Radar System



Hikvision Security Radar Product Family



Certifications



*The CE+CB, RCM, ICASA, LoA, IK10, IP67, and NEMA 4X certifications are exclusive to the 120 m and 500 m perimeter radars. The CE, CB, IK10, IP67, and NEMA 4X certifications apply exclusively to the models DS-TDSB0G-FX/1km and DS-TDSB0G-FX/2km.

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