HIKVISION

PERIMETER SECURITY RADAR SENSORS

Unlocking radar's eyes, beyond boundaries

- **Accurate and stable detection**
  in challenges such as poor lighting, fog, and more
- **Built-in deep-learning algorithm**
  detects objects with low false alarm rates
- **Multi-dimensional perception**
  includes linkage to PTZ dome cameras

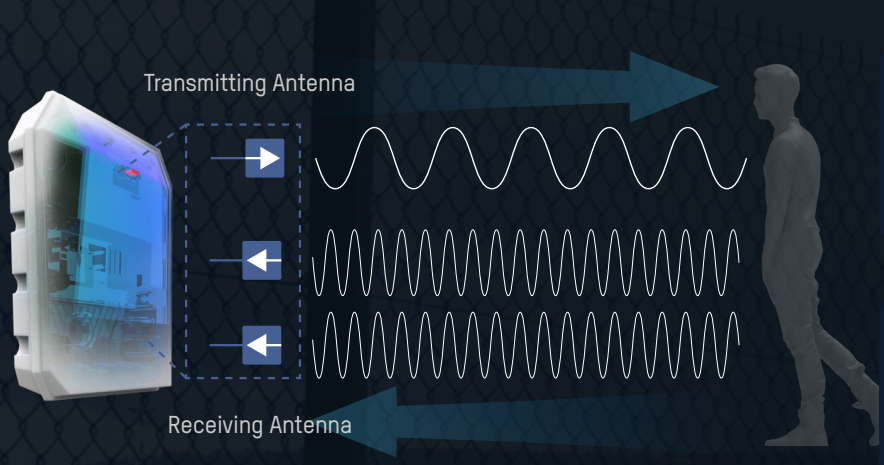


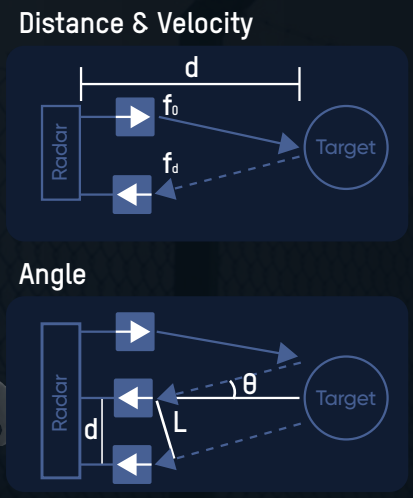
DS-TDSB0G-FC
DS-TDSB0G-FX

DS-TDSB0G-FK

Key **Features**

Hikvision's advanced radar technology uses microwave and digital signal technology to precisely track moving objects within the coverage area. With Doppler and angle information extraction, our sensors provide accurate positioning, movement direction, and speed details. They also offer early warning capabilities, driving features like video recording, alarms, and event recording.





Highly Dependable

- **IP67** protection level for severe weather
- **IK10** impact protection
- Corrosion protection with **NEMA 4X** certification
- Operating temperature: -40° to 65° C
- Anti-theft alarm

Superior Performance

- Detect multiple modes of motion, including squatting, crawling, low-walking, skipping, etc.
- Link up to **4 PTZs** in various locations
- Line-crossing alarm with **up to 4 lines**
- Configurable warning, early warning, disable zones, **up to 16 zones**
- Detection range from **60 m to 3 km**
- Maximum coverage of **120°** in horizontal and **30°** in vertical, eliminating more blind spots

Operational **Modes**

Shrub Mode

Minimize false alarms such as leaves or other weather-induced motion

Open-area Mode

Matched to wide areas and general scenarios

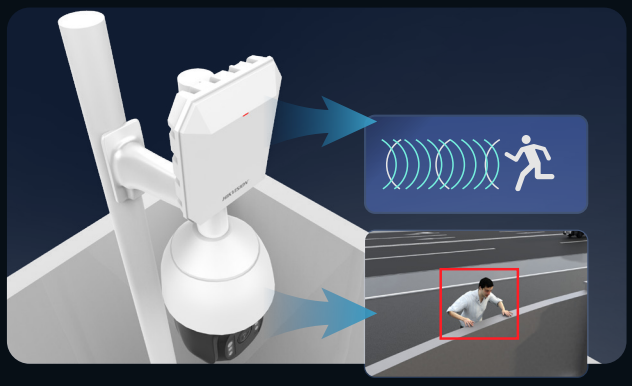
Custom Mode

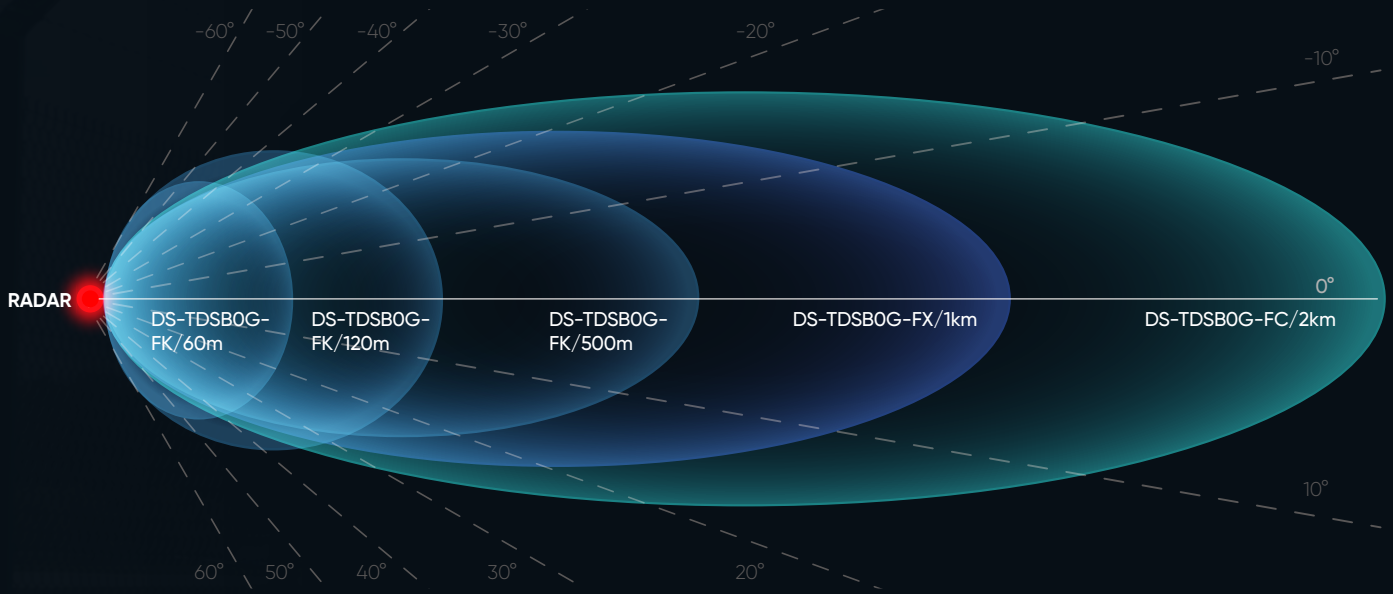
Parameters can be modified by installer or end-user

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Why **Hikvision**

Alone with the deep-learning algorithm to detect multiple moving objects with low false alarm rates, our perimeter security radar sensors can link with PTZ cameras, and thermal cameras to conduct human and vehicle identification precisely by applying radar-assisted video detection.



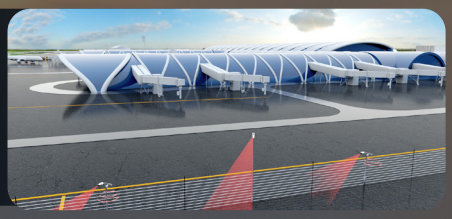


Product Model	DS-TDSB0G-FK/60m	DS-TDSB0G-FK/120m	DS-TDSB0G-FK/500m	DS-TDSB0G-FX/1km	DS-TDSB0G-FC/2km
Frequency	K-band 24~24.25 GHz	K-band 24~24.25 GHz	K-band 24~24.25 GHz	X-band 9.6~9.9 GHz	C-band 5.4~5.6 GHz
Modulation Waveform	FMCW	FMCW	FMCW	FMCW	Pulse Doppler
Detection Angle	Horizontal: 120° Vertical: 30°	Horizontal: 120° Vertical: 30°	Horizontal: 100° Vertical: 30°	Horizontal: 90° Vertical: 30°	Horizontal: 90° Vertical: 18°
Detection Distance & Targets	Person: 60 m Vehicle: 120 m Up to 32 targets	Person: 120 m Vehicle: 200 m Up to 32 targets	Person: 500 m Vehicle: 1 km Up to 32 targets	Person: 1 km Vehicle: 2 km Up to 32 targets	Person: 1.8 km Vehicle: 3 km Up to 32 targets
Protection Level	IP67, IK10, NEMA4X	IP67, IK10, NEMA4X	IP67, IK10, NEMA4X	IP67, IK10, NEMA4X	IP67, IK10, NEMA4X
Recommended PTZ Camera	DS-2DY5225IX-AE DS-2DE7AxxxIW-AEB DS-2SE7CxxxMWG-EB/24(26) DS-2DF8xxxIX(G) DS-2DF8AxxxIX(G)	DS-2DE7AxxxIW-AEB DS-2SE7CxxxMWG-EB/24(26) DS-2DY7236IX-A DS-2DF8xxxIX DS-2DF8AxxxIX(G) DS-2DF8CxxxIX(G)	DS-2DF8CxxxI5XG-EL(W) DS-2SF8CxxxIXG-EL(W)/XXX DS-2SF8CxxxIXS-DL(W)/XXX DS-2DY9240IXS-A	DS-2DY9250IAX-A	DS-2DYH2A0IXS-D
Recommended Thermal Camera	DS-2TD4137-25/W(Y)(B) DS-2TD4167-25/W(Y)(B)	DS-2TD4137-25/W(Y)(B) DS-2TD4167-25/W(Y)(B)	DS-2TD6267-75C4L/W(Y) DS-2TD6267-100C4L/W(Y)	DS-2TD8167-150ZE2F/W DS-2TD8167-150ZC4F/W	DS-2TD95C8-300ZK2FL/W

Application **Scenarios**

Enhance security at airports, railroads, oil fields, power plants, and more, preventing unexpected incidents and safeguarding specific facility sites.

AIRPORTS



RAILROADS



OIL FIELDS



POWER PLANTS



VILLA



FARM



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