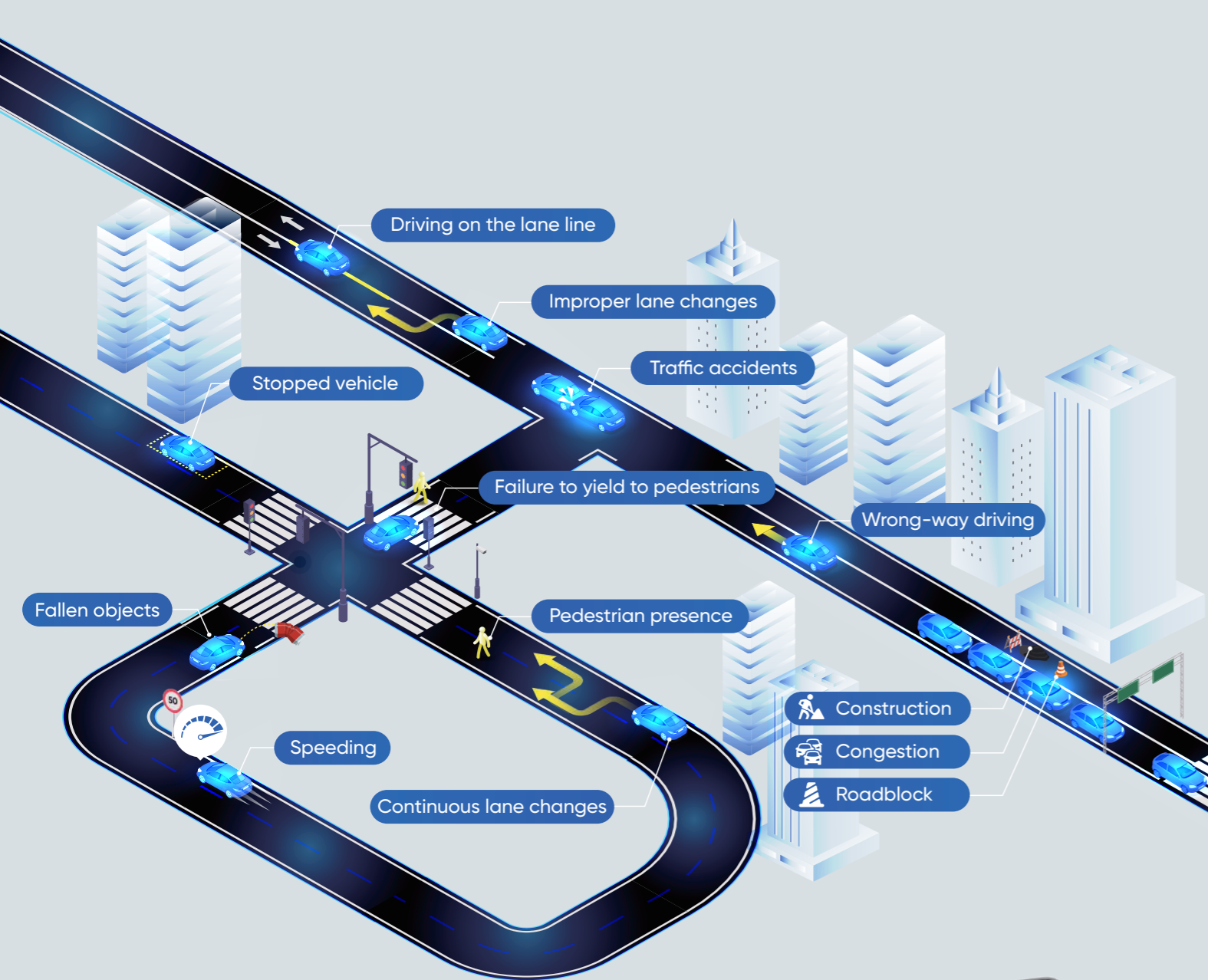


# Incident Detection Radar-Video Fusion Camera

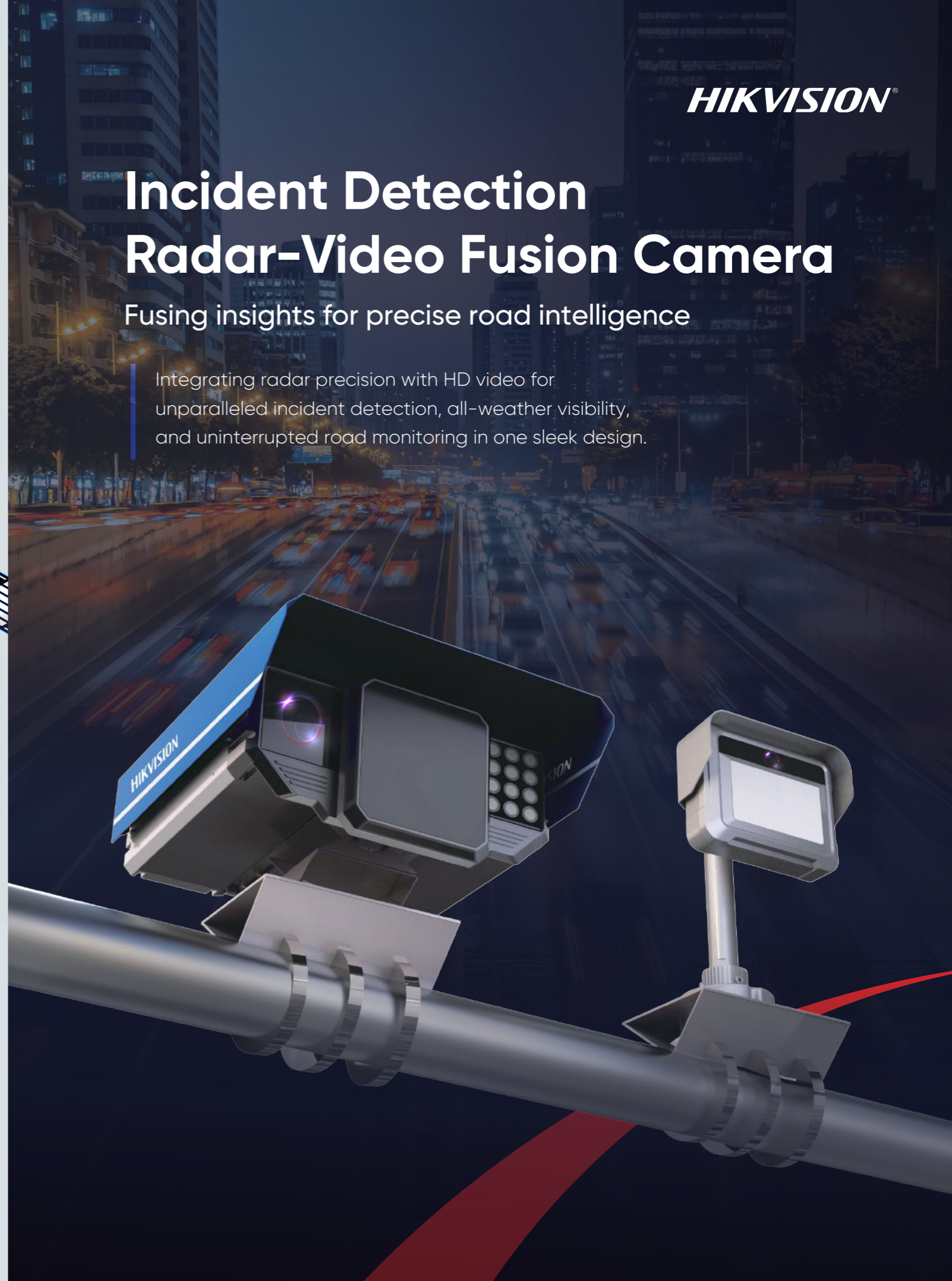
Fusing insights for precise road intelligence

Integrating radar precision with HD video for unparalleled incident detection, all-weather visibility, and uninterrupted road monitoring in one sleek design.



## iDS-TCS802-FS

	iDS-TCS802-FS
Image Sensor	8 MP (1/1.8" CMOS)
Min. Illumination	Color: 0.01 Lux @ (F1.2, AGC ON)
Max. Resolution	3840 × 2160
Lens	12 mm
Radar Working Frequency	80 GHz
Detection Distance	Up to 200 m
Speed Measuring Range	Up to 250 km/h
Coverage Lanes	Up to 4 lanes
Power	DC 36 V ±20%, 0.8 A, max. 30 W



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support@hikvision.com

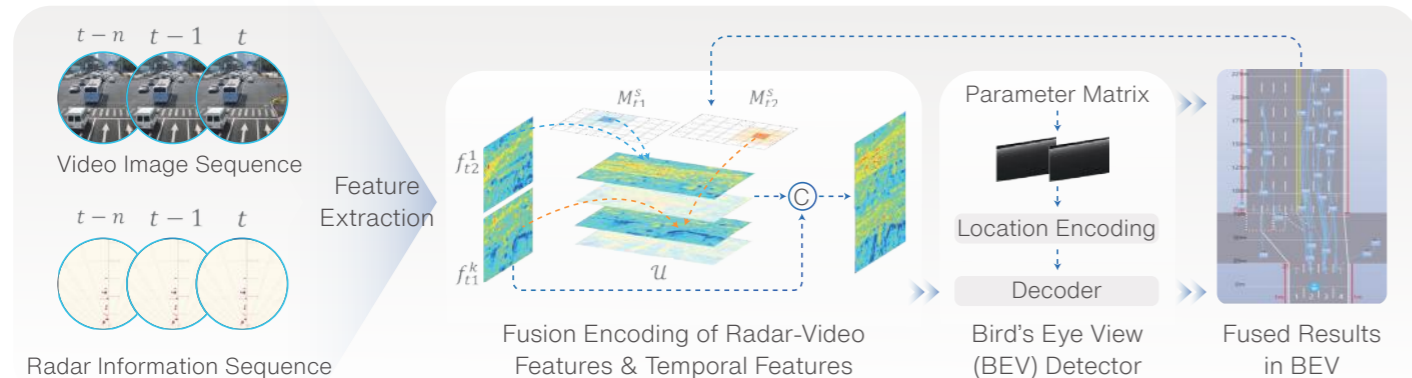
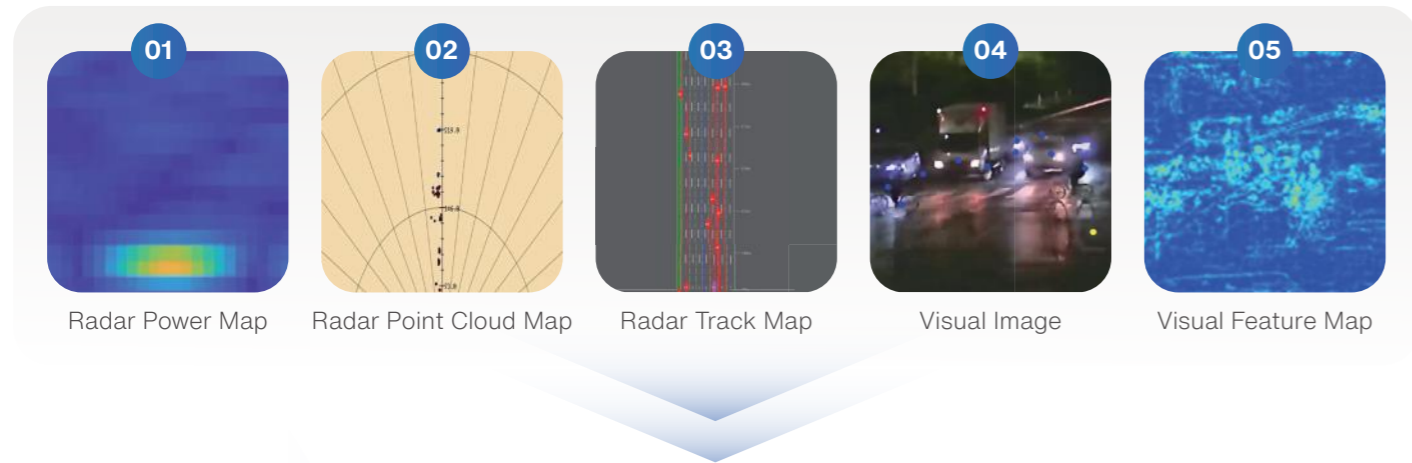


# Product Highlights

- 01 All-in-one design** integrating an ultra-HD GMOS sensor, millimeter wave radar, AI processor, and supplement light (selected models).
- 02 Enhanced detection range** extending up to 350 m, capturing a maximum of 128 targets with MIMO radar technology.
- 03 Early Fusion of Features** enhancing matching rate, detection continuity, and all-weather long-distance perception.
- 04 Multi-intelligence** for incident detection & traffic flow analysis across various road scenarios, optimizing road management.
- 05 Easy integration** through standard protocols like Onvif, and Hikvision Private protocols ISAPI and OTAP for seamless interoperability.

## Hikvision Radar-Video Fusion 2.0: Early Fusion of Features

This technology extracts raw features from multiple frames and radar point clouds before gathering speed, distance, azimuth, and target ID data. It boosts fusion matching rates, enhances target detection continuity, and improves all-weather and long-range perception capabilities.



	iDS-TCS907-FIR	iDS-TCS907-FER
<b>Image Sensor</b>	9 MP (1" GMOS)	9 MP (1" GMOS)
<b>Min. Illumination</b>	Color: 0.001 Lux@(F1.4, AGC ON), B/W: 0.0005 Lux @ (F1.4, AGC ON)	Color: 0.001 Lux@(F1.4, AGC ON)
<b>Max. Resolution</b>	4096×2160	4096×2160
<b>Lens</b>	25 mm	25 mm
<b>Radar Working Frequency</b>	80 GHz	80 GHz
<b>Detection Distance</b>	Up to 350 m	Up to 350 m
<b>Speed Measuring Range</b>	Up to 250 km/h	Up to 250 km/h
<b>Built-in Supplement Light Type</b>	IR light	White light
<b>Built-in Supplement Light Range</b>	Up to 40 m	Up to 40 m
<b>Coverage Lanes</b>	Up to 4 lanes	Up to 4 lanes
<b>Power</b>	DC 36 V ±20%, 1.9 A, max. 70 W	DC 36 V ±20%, 1.9 A, max. 70 W