

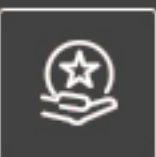


SPIKE BF

DUAL-SPECTRUM VEHICLE-MOUNTED THERMAL CAMERA

The Spike-BF dual-spectrum vehicle-mounted thermal camera uses a professional-grade quality uncooled infrared detector and a visible light camera with minimum illumination. It supports dual-spectrum fusion, multiple palettes, and a wide FOV observation range. The product is capable of quickly identifying potential hazard hotspots, locating concealed personnel, and timely discerning road hazards. It is widely used in driving assistance of special vehicles to improve driving safety.

KEY FEATURES



PROFESSIONAL-GRADE QUALITY



SHUTTERLESS CORRECTION



IP67



HD IMAGE



DUAL-SPECTRUM FUSION

PRODUCT PERSPECTIVES

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TECHNICAL DATA

Thermal Channel	
Sensor Type	VOx uncooled infrared focal plane detector
Resolution	640×512
Pixel Pitch,μm	12
Focus Length	6.9m/F1.0&5.3mm/F1.0
FOV,°	58 ×48 & 90 ×75
Frame Rate,Hz	50
Minimum Illumination	
Type	Minimum Illumination
Resolution	1920×1080
Pixel Pitch,μm	4
Sensitivity	0.001Lux@IR F1.0@25Hz
Focus Length	8mm/F1.0&5.1mm/F1.0
FOV,°	55 ×31 & 85 ×45
Fusion FOV,°	55 ×30 & 85 ×45

Equipment performance	
Recognition Distance (Vehicle Target/Human Target), m	200/150 & 120/100
Image Mode	Supports switching between visible light, infrared, and fusion mode
Scene-Based Correction	Supported
Latency,ms	60
Dimensions,mm	≤116×66×132
Weight,kg	≤1.5
Ingress Protection	IP67
Shock,g	40
Video Interface	PAL/SDI
Communication Interface	RS232
Power Supply,V	9~36
Power Consumption,W	≤6