

IVI-A1 Thermal Camera

The IVI-A1 series automotive thermal imaging system is an advanced artificial intelligence solution for the automotive industry. It utilizes enhanced super-resolution algorithms to provide a clear and intelligent view. Ideal for passenger cars, commercial vehicles, specialty vehicle, rail transportation, driver assistance and autonomous driving. It as a compact body and supports front-mounted or rear-mounted, designed for varying recognition distances and fields of view. It ensures safe driving in harsh environments such as darkness, intense ight, haze, light rain or snow.



Specifications

Detector Parameters	
Type	Uncooled VOx Microbolometer
Resolution, pixels	640×512/12μm
Spectral Band	8~14μm
Frame Rate,Hz	25Hz
Optical Parameters	
Objective Lens	9mm
Field of View	H40°
Recognition Range (Human)	220m
Recognition Range (Car)	290m
Device Information	
Display	5.99"LCD 1080*2160
Interface	GMSL/FAKRA/Type-C
Wi-Fi Transmission	Wi-Fi
External Power Supply	Type-C(5V 3A)/5000mAh Capsule Battery
Power Wastage	≤15W(Frost Removal)
Protection Rating	IP67(Thermal Camera)
Operation Temperature	-20 °C~+80 °C
Weight (No Capsule Batt.)	≤600g
Dimensions	170*88*19mm
Defrost function	Supports
Smart recognition	Supports
Lens protection window	High-strength protection window



In-Vehicle



Outdoor Portable



Wi-Fi Interconnection