

# 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