



Thermal
Master

NV300

Detect Life 300m Anti-Collision



328 Yards

Long Night Vision



0.1S

Ultra Fast
Response



AI {Det}

Life Collision
Warning



Zero Lag

Shutterless



256 to 512

IR Resolution



Specifications

Model	NV300
Night Vision Distance	328 Yards (300m)
Response Time	0.1s
Collision Warning	AI {Det} Life Collision Warning
AI Recognition	Automatic recognition of pedestrians, vehicles, animals, vehicle distance, start-up
IR Resolution	256 to 512 IR Resolution
HD Super Resolution	Supported
Infrared chips	Thermal Master high performance detector
Operating Temperature	-4°F~176°F (-20~80°C), suitable for extremely cold, extremely hot, windy, and sandy weather
IP69K	Resistant to 80°C high temp and high pressure spraying, 100% dust proof
Razor X	Supported
Automatic Defrost	Supported
Mounting Method	5 Min quick pre-assembly of roof
Palette	9 thermal imaging palettes
Storage	Built-in 1GB RAM + 8GB ROM, expandable with a 64GB TF card
WiFi	Supported
Screen Brightness	Automatic environmental sensing, adaptive screen brightness
Supported Vehicle Models	Car/Pickup/Truck/Bus/School Bus/RV
AI Computing Ability	4Tops
AI Algorithm	Exclusive AI-PILOT intelligent algorithm
Warning Sensitivity	Three options: High, Middle, and Low
Warning Type	Two options: Sound and Image
Frame Rate	25Hz
FOV	25°× 19°
Automotive Grade Authentication	IATF16949
Power Supply	DC 12V and 24V (car charge)
Power Consumption	≤6W ≤9W (automatic defrost)
Video Interface	GMSL
Physical Interfache	FAKRA
Dimensions	W: 95mm, L:111mm, H:51mm (Host) W: 107mm, L:128mm, H:48mm (Camera)
Weight	305g (Host) 198g (Camera)

About Us

Thermal Master, Leading in Phone Thermal Cameras. Thermal Master is dedicated to opening a new world of thermal vision for explorers worldwide, keeps pursuing excellence and innovation. Thermal Master, for a greener Earth.



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