NV-Series

Automotive Thermal Vision System

SATIR NV Series has been designed with three different detector resolutions 640x512, 384x288 and 256x192.

It has a lightweight design and can be integrated into a wide range of vehicles and with the new AI software it will highlight human movement. It helps to prevent glare from the lights of oncoming vehicles which normally can affect your driving visibility. It has infrared digital detail enhancement which allows the user to view high quality, clear images. It has a pedestrian detection and recognition system which prevents collisions with cyclists or pedestrians in bad driving conditions.

Thermal cameras have been used for many years in a wide variety of applications and markets and with this small compact vehicle imager, thermal imaging can help you drive safer.

Key Features

- Infrared Thermal Optical System Design Technology

- IP67 Encapsulation

- Pedestrian Detection & Recognition System

- Built-in Defrosting system

- Improves Driving Visibility such as reduces oncoming Vehicle glare

NV-Series | Specifications

Image Performance	NV256	NV384	NV640
Resolution	256x192	384x288	640x512
Pixel	12μm	12μm	12μm
FOV	Standard 18° x 13°	Standard 20° x 15°	Standard 28° x 22°
Min Focal Length	10mm	13.5mm	16mm
Environmental			
Encapsulation	IP67	IP67	IP67
Defrost Mode	Yes	Yes	Yes
Physical Characteristics (Camera Body)			
Weight	100g	180g	180g
Dimensions	35x35x49	42x42x70mm	42x42x70mm
Working Temp	-30 — 70°C	-40 — 85°C	-40 — 85°C
Interfaces			
Power Input	12VDC	12VDC	12VDC
Supplied			
PDS System	Yes	Yes	Yes
GPS	Yes	Yes	Yes
Speaker	Yes	Yes	Yes
Mounting Bracket	Yes	Yes	Yes
Internal Storage	Optional	Optional	Optional

Please be aware specifications can vary from time to time

Dimensions :- 384x288 & 640x512

70mm
48mm
12mm
42mm
42mm