Vision Enhancer Selina

General information about ADTC-7030TN Driver's Vision Enhancer Selina:

ADTC-7030TN is designed for enhancing the driver's visual ability and extending recognition distance in total darkness, smoke, rain and snow. It can significantly reduce the hazards of night time driving, and can be integrated into both commercial and military vehicles.

Main Features:

- ✓ 50Hz instant imaging
- ✓ Auto de-icing, defrosting functions
- ✓ IP67 encapsulation
- ✓ Clear imaging in darkness
- ✓ Shutterless technology

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Technical specification of the device:

Detector Data:

- Type:Uncooled FPA
- IR resolution:384×288
- Pixel pitch:17μm
- Spectral range:8～14μm
- NETD/Sensitivity:60mK@300K

Lens Data:

- FOV/Focal distance:36.1°×27.1°/10mm
- Detection distance(human):300m
- Recognition distance(human):78m
- Identification distance(human):40m
- Detection distance(vehicle):800m
- Recognition distance(vehicle):230m
- Identification distance(vehicle):116m
- F:F 1.0

Image Performance:

- Image enhancement:IVE image enhancement algorithm
- Noise reduction:Digital filtering
- Frequency:50Hz
- Focus:Athermal
- Startup time:5s
- Contrast/brightness:Auto

Interfaces:

- Power interface:Yes
- Video output:PAL

Power System:

- Working voltage:DC: 7V～32V
- Power consumption:<1W(stable state)- <6.5W start window heating(<4℃)
- Over&Under voltage protection:Yes
- Surge suppression:DC: 80V, 20ms

Environment Parameters:

- Operating temperature range:-40℃～+60℃
- Storage temperature range:-45℃～+65℃
- Humidity:40℃/95%RH(Non-condense)
- Salt spray:GJB150.11A-2009
- Vibration:GJB150.18A-2009
- Shock:GJB150.16A-2009
- Encapsulation:IP67

Physical Data:

- Size:62mm×64mm×83.5mm
- Weight:<380g