

# Selina30

## Driver's Vision Enhancer

**Selina30** 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.

### Features

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Shutterless technology

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Auto de-icing, defrosting functions

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IP67 encapsulation

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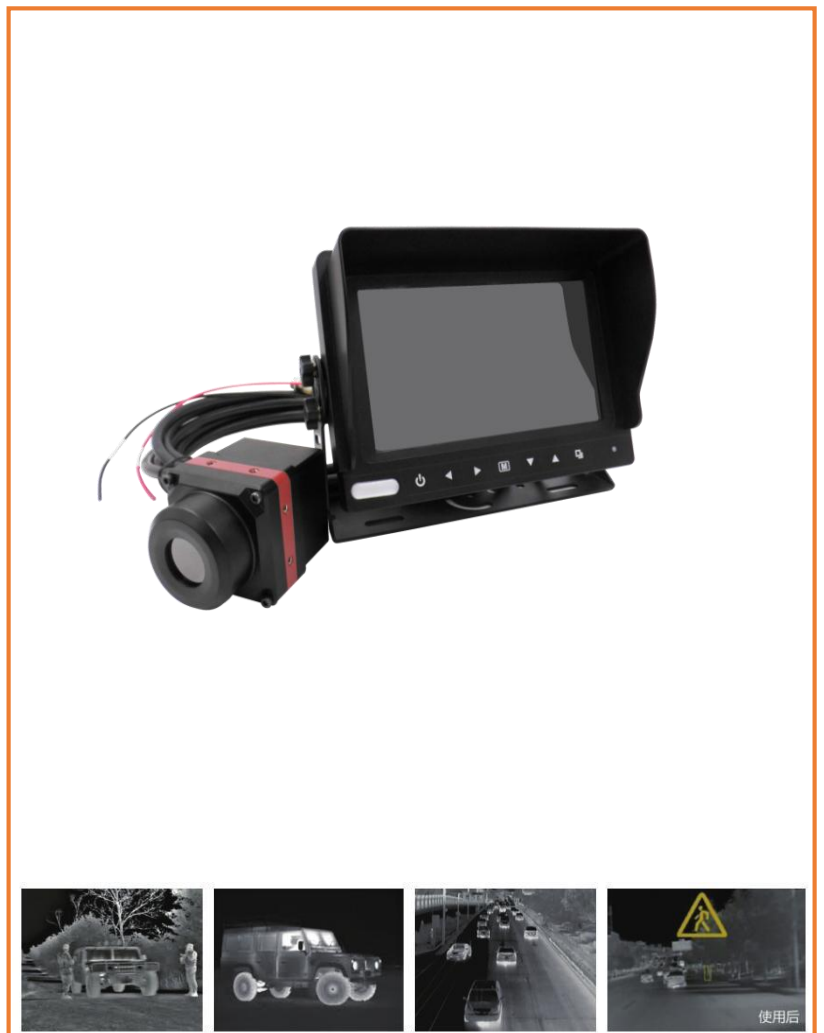
Low power consumption

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50Hz instant imaging

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### Applications

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Visual enhancement for armed vehicles

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Visual enhancement for civil vehicles

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## Technical Specifications

<b>Item</b>	Selina30
<b>Detector Data</b>	
Type	Uncooled FPA
IR resolution	384×288
Pixel pitch	17μm
Spectral range	8 ~ 14μm
NETD/Sensitivity	≤60mK
<b>Lens Data</b>	
FOV	36.1°×27.1°
Focal distance	10mm
Focus	Athermal
Recognition	230m
Recognition	78m
F	F 1.0
<b>Image Performance</b>	
Image enhancement	IVE image enhancement algorithm
Noise reduction	Digital filtering
Frequency	50Hz
Startup time	5s
Contrast/brightness	Auto
<b>Interfaces</b>	
Power interface	Yes
Video output	PAL
<b>Power System</b>	
Working voltage	DC: 7V ~ 32V
Power consumption	<1W(stable state)
	<6.5W start window heating(<4°C)
Over&Under voltage	Yes
Surge suppression	DC: 80V, 20ms
<b>Environment Parameters</b>	
Operating	-40°C ~ +60°C
Storage temperature	-45°C ~ +65°C
Humidity	40°C/95%RH(Non-condense)
Salt spray	GJB150.11A-2009
Vibration	GJB150.18A-2009
Shock	GJB150.16A-2009
Encapsulation	IP67
<b>Displayer(Optional)</b>	
Size	7" TFT LCD
Resolution ratio	800(H)×480 ( V )
Operating	-20°C~+70°C
Encapsulation	IP68
<b>Physical Data</b>	
Size	62mm×64mm×83.5mm
Weight	<380g