

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

50Hz instant imaging

Auto de-icing, defrosting functions

IP67 encapsulation

Clear imaging in darkness

The ability to survive in harsh environment



Applications

Visual enhancement for armed vehicles

Visual enhancement for civil vehicles



ULIRVISION

Technical Specifications

Item	Selina30
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 mode	No focusing
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