



## WATCHER-IR

### THERMAL DRIVER SIGHT



REAL TIME HIGH  
PERFORMANCE



HIGH  
RESOLUTION



HIGH  
SENSITIVITY



ADVANCED SIGNAL  
TECHNOLOGIES



STRONG ADAPTATION  
TO THE ENVIRONMENT



STRONG  
PENETRATION



# WATCHER-IR

## THERMAL DRIVER SIGHT

### GENERAL FEATURES

Watcher-IR series thermal imagers use IRFPA military-grade uncooled thermal imaging detectors. Vehicle Mounted Thermal Camera Advanced Driver Assistance Systems Vehicle Camera ensures continued driving ability in pitch darkness, heavy smoke, dense fog and other bad weather conditions. It effectively helps drivers avoid unexpected obstacles.



### TECHNICAL SPECIFICATIONS

<b>Detector</b>	Uncooled VOx FPA	<b>Data interface</b>	RS422
<b>Resolution</b>	640x512	<b>Operating Temp.</b>	-32°C ~ 55°C
<b>Pixel Pitch</b>	12 μm	<b>Storage Temp.</b>	-40°C ~ 75°C
<b>Spectral Range</b>	8-14 um	<b>Humidity</b>	%95 @40°C
<b>NETD</b>	< 40 mK	<b>Vibration, Shock</b>	MIL-STD-810
<b>FOV</b>	45.8°x37.5°	<b>EMI, EMC</b>	MIL-STD-461
<b>MRTD</b>	< 300mK @ 0.38 cyc/mrad	<b>IP level</b>	IP67
<b>Power Supply</b>	9-36 VDC	<b>Dimensions</b>	80 x 50 x 46 mm
<b>Power Consumption</b>	<6W	<b>Weight</b>	<570 g
<b>Video Out</b>	Analog PAL, Eth (Opt)		