



## Night Vision TV series



Infrared night vision is an ideal device for nighttime driving in the various harsh environments. It reduces the risks of night time driving and helps drivers to see much further with crisp thermal video images, than with standard headlights. Drivers can detect and recognize quickly potential hazards and avoid deadly accidents in the darkness, smog, heavy rain and snow.

TV series are compact and rugged infrared Night Vision. With wide field view and excellent thermal images quality, they allow drivers to detect and monitor pedestrians, animals, or objects near the road, providing more time to react to avoid any potential dangers. With extremely encapsulation for humidity and water, they can clean as any other equipment. ULIRvision TV series can be integrated into military vehicles or commercial vehicles application.



### Features

- New generation detector 384 x 288 pixels: provide excellent thermal video images.
- Operating in darkness, smog, rain, snow condition.
- Wide-angle lens: give more wider viewing range with 36° lens.
- Assisting drivers to detect and recognize potential hazards.
- Water & dust proof design: available to clean with water.
- Auto defrosting frozen ice: built-in heater to make crisp thermal video images all the time.
- Easy integration: compact design, light weight, easy-to installed.
- Optional power/video cable.

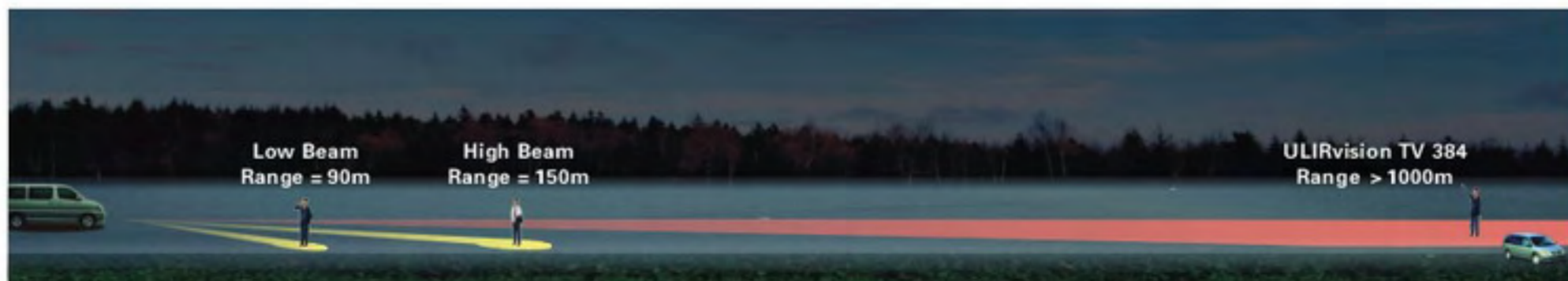


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## Technical Specifications:

Item	TV 384
<b>● Detector Data</b> <ul style="list-style-type: none"> <li>- Detector type</li> <li>- IR resolution</li> <li>- Pixel pitch</li> <li>- Spectral range</li> </ul>	Focal plane array (FPA), uncooled microbolometer 384 x 288 pixels 25 μm 8~14 μm
<b>● Imaging and Optical Data</b> <ul style="list-style-type: none"> <li>- NETD</li> <li>- Field of view (FOV)</li> <li>- Image frequency</li> <li>- Focus</li> </ul>	<100mk 36° (H)×27° (V) 50/60Hz Automatically (10m to infinity)
<b>● System Data</b> <ul style="list-style-type: none"> <li>- Time to Image</li> <li>- Automatic Heater</li> </ul>	<10 seconds when window temperature is below +4°C
<b>● Interfaces</b> <ul style="list-style-type: none"> <li>- Video output</li> <li>- Connector type</li> </ul>	NTSC/PAL RCA, 5m power/video cable
<b>● Power System</b> <ul style="list-style-type: none"> <li>- Voltage</li> <li>- Consumption</li> </ul>	9~16V <3W quiescence, 10W max (with window heater on)
<b>● Environment Data</b> <ul style="list-style-type: none"> <li>- Operating temperature</li> <li>- Storage temperature</li> <li>- Humidity</li> <li>- Icing</li> <li>- IP Encapsulation</li> <li>- Shock</li> <li>- Vibration</li> </ul>	-40°C~60°C -40°C~100°C ≤90% Heater will defrost 2mm of ice within 15minutes at -30°C and wind speed of 100 km/h IP67 IEC68-2-27 IEC68-2-64
<b>● Physical Data</b> <ul style="list-style-type: none"> <li>- Weight</li> <li>- Size</li> </ul>	≤500g 60 x 60 x 92mm
<b>● Packing includes</b> <ul style="list-style-type: none"> <li>- Standard</li> </ul>	Night vision with 36 degree lens, 5 meters power/video cable



TV 384: range performance 14.8 mm lens

	<b>Man: 1.8m x 0.5m</b> Detection approx. 300m Recognition approx. 100m Identification approx. 50m
	<b>Object: 2.3m x 2.3m</b> Recognition approx. 450m Identification approx. 225m Detection approx. 1350m

