



## TSN-IR50 Infrared Thermal Imaging Camera

### Introduction

Using the most advanced uncooled infrared technology, SHR-IR50 can be used in darkness, fog and rain.

Adopting the fourth generation of uncooled infrared detector and the most advanced optical and electronic system, SHR-IR50 can penetrate dusts, fog, rain, snow and darkness, and can provide perfect images.



### Product Feature

- detector resolution: 324x256
- two times electronics magnification, the same FOV of human's eyes
- operating temperature between  $-10^{\circ}\text{C}$ ~ $60^{\circ}\text{C}$ , good picture uniformity
- two seconds driving time makes the device used quickly without waiting
- use the hi-clear monocular display, easy to detect



### Main Use

Can be widely used for military reconnaissance, police, armed police, firefighting and protect wild animal monitoring under the environment of rain, fog and total darkness. SHR-IR50 has being widely used in many fields, such as Military, Police, Frontier Defense, Fire protection and Electric power etc.



## Technical Indicators

<b>Detecting Distance</b>	<b>2000m(to vehicles); 800m(to people)</b>
<b>Recognize Distance</b>	500m(to vehicles);200m(to people)
<b>Field of View</b>	10°x7°
<b>Focal Length</b>	50mm
<b>Magnification</b>	2X electronic magnification
<b>Spectrum Range</b>	8~14um
<b>NETD</b>	50mK@F1.0, 300K
<b>Detector</b>	324x256 uncooled infrared detector
<b>Display</b>	Color mini-LCD inside, lens magnification
<b>Image processor</b>	Automatic Gain Control (AGC) , Digital Detail Enhancer (DDE), Pseudo Color
<b>Operation temperature</b>	- 10°C ~ +60°C
<b>Interface</b>	OSD menu, PAL compound video; BNC video output

