HRC-E

HRC-S

HRC-U & HRC-X

FLIR
HRC-SERIES

High-Resolution, Long-Range Cooled Thermal Cameras

All HRC imagers use a high resolution 640×480 MWIR focal plane array, and state-of-the-art image processing to provide high dynamic range and clear, sharp images of objects at long distance. There are four lens configurations available for HRC thermal cameras, each of which has 12.5× continuous zoom optics and auto-focus.

KEY FEATURES

- Sharper thermal images and greater scene detail than ever before

- Improved threat detection and alarm assessment capabilities

- Long-range threat detection - See smaller details from farther away

- TV-quality thermal video for 24/7 security surveillance

- Autofocus keeps your images sharp when changing zoom

- High Sensitivity Cooled InSb detector

- Composite NTSC or PAL video output

- Advanced thermal image processing with Digital Detail Enhancement (DDE) for high-contrast images in dynamic thermal scenes

- Long-range 12.5x continuous Optical zoom

- 16x Continuous Digital E-zoom

Impressive long range zoom capability allows you to detect possible threats from a safe distance

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Specifications

Camera Type	HRC-E	HRC-S	HRC-U	HRC-X
Focal Lengths	22 to 275 mm	40 to 500 mm	60 to 750 mm	88 to 1,100 mm
Field of View Range	25° × 18.7° to 2° × 1.5°	14.1° × 10.5° to 1.1° × 0.81°	9.4° × 7.0° to 0.75° × 0.55°	6.3° × 4.7° to 0.5° × 0.38°
Array Format (NTSC)	640 × 480			
Detector Type	High Sensitivity Cooled InSb			
Spectral Range	3.4 µm to 5.1 µm (MWIR)			
Pixel Pitch	15 µm			
Zoom	12.5× Continuous Optical; 16× Continuous Digital E-zoom			
Focus Range (Auto or Manual)	30' to ∞ (Athermalized)			
On-Command Auto Focus Speed	<3 sec			
Digital Detail Enhancement	Variable settings 0-100			
Video Output	Composite NTSC or PAL			
Camera control	RS-422 or RS-232			
Power	21-29 VDC (24 VDC nominal)			
Power consumption	35 W to 125 W w/ heater ON			
Weight	16 lb (-E); 21 lb (-S); 26.4 lb (-U, -X)			
Dimensions (L,W,H)	18.8" × 8.6" × 9.4" (-E, -S); 22.2" × 10.5" × 11.9" (-U, -X)			
Environmental Qualification	IP-66 , MIL STD 810F			
Operating temperature	-32°C to +55°C (-26°F to +131° F)			

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