

HRC

High-resolution, cooled (HRC) thermal cameras provide TV-quality thermal video for long-range, 24/7 security applications.

The next level of security.



HRC-E



HRC-S



HRC-U and -X

HRC Thermal Camera Specifications

All HRC imagers use a high resolution 640x480 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 12.5x continuous zoom optics and auto-focus.

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° x 18.7° to 2° x 1.5°	14.1° x 10.5° to 1.1° x 0.81°	9.4° x 7.0° to 0.75° x 0.55°	6.3° x 4.7° to 0.5° x 0.38°
Array Format (NTSC)	640 x 480			
Detector Type	High Sensitivity Cooled InSb			
Spectral Range	3.4 μm to 5.1 μm (MWIR)			
Pixel Pitch	15 μm			
Zoom	12.5x Continuous Optical; 16x 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" x 8.6" x 9.4" (-E, -S); 22.2" x 10.5" x 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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