

# HRC-MS

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



MS-12 configuration, HRC-X, LRV-D60AF, and LRF

## HRC-MS Integrated Multi-Sensor System Specifications

HRC long-range thermal cameras are typically installed in multi-sensor systems integrated on a precision pan/tilt, with a long-range zoom color camera, and often a laser rangefinder. FLIR's HRC-MS packages are fully integrated multi-sensor systems with all of the advanced features necessary for effective long-range imaging, like electronic image stabilization, atmospheric turbulence de-scintillation, video analytics target acquisition/tracking, and auto video target tracking, making them the most complete, advanced surveillance systems available.



Pan/Tilt Specifications	
Azimuth Rotation	Continuous 360°
Azimuth Speed	0.03° to 70°/sec
Elevation Range	+/-35°
Elevation Speed	0.03° to 30°/sec
Repeatability	0.057°
Readout	0.0057°
Minimum Movement	0.02°
LRV Low-Light Visible Color Camera Options	
LRV-D60AF (Long-range)	
Camera	1/2" IT CCD; 768 x 494 resolution
Lens Performance	
Magnification	60x
Focal Length Range	16.7 to 1000 mm (2,000 mm w/ 2x extender)
FOV Range	21.7° x 16.4° to 0.37° x 0.28° 10.9° x 8.2° to 0.18° x 0.14° (w/ 2x extender)
Lens Focus	On-command Auto and Manual Focus
LRV-S26AF, (Short- to Medium-range)	
Camera	1/4" HAD CCD; 768 x 493 resolution
Lens Performance	
Magnification	26x
Focal Length Range	3.5 to 91 mm
FOV Range	42°(h) to 1.6°(h) (plus 12x digital zoom)
Lens Focus	Continuous Auto and Manual Focus
Nexus Server Command and Control Interface Options	
Option 1, JPC-3G	MS11 configuration installed with pan/tilt
Upgrades	Vilga electronic image stabilization and video tracking
Option 2, Rackmount Server	MS12 configuration uses system cable
Upgrades	Electronic image stabilization and turbulence de-scintillation
System Cables	45 ft, 90 ft, or 180 ft
System Options	
Toyon Video Plus	Long-range video analytics, auto target marking & tracking
Laser Range Finder	Eyesafe; +10 Km range
GPS	Continuous Lat/Long position reporting for mobile systems
Digital Magnetic Compass	North direction finding for mobile systems
Laser Pointer	Two conductor hard-wired interlock
Other System Specifications	
System Weight	75 - 125 lb depending on configuration
Power Supply	28 VDC, 240 W capacity recommended
Environmental	IP-66, MIL-STD-810F
Operating Temperature	-32°C to +55°C (-26°F to +131°F)

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