

# Camera Modules



THE R200 ENCLOSURE

## KEY FEATURES



**HIGH-SPEED DATA**



**ADVANCED IMAGE PROCESSING**



**HARDWARE MODULARITY**

Light, robust, and easy to operate, the Camera Module line from Telops is specifically designed for integration into complex optical systems. Available in MWIR or LWIR spectral bands, the Telops Camera Module line allows for the acquisition of highly contrasted images in a wide variety of applications including process control, monitoring thermal behavior of manufactured parts, or surveillance and reconnaissance measurements.



# Camera Modules



Urban Area Surveillance



Urban Area Surveillance

SPECIFICATIONS	R200 M	R200 L
Detector Type	MCT	MCT
Spectral Range	3.7 $\mu\text{m}$ to 4.8 $\mu\text{m}$ (1.5 $\mu\text{m}$ to 5 $\mu\text{m}$ F/3 optional)	7.7 $\mu\text{m}$ to 9.3 $\mu\text{m}$
Spatial Resolution	640 x 512 pixels	640 x 512 pixels
Detector Pitch	15 $\mu\text{m}$	15 $\mu\text{m}$
Aperture Size	F/2 or F/4	F/2
Frame Rate	Tunable, max 210 Hz	Tunable, max 230 Hz
Typical NETD	< 25 mK	< 25 mK
Cooler MTBF	10 000 hrs	10 000 hrs
Weight without Enclosure	4 kg	4 kg
Lens Mount	Bayonet	Bayonet

## INCLUDES

Real-time data output: RAW, NUC, temperature  
 Camera control: GigE, Camera Link™, RS232 (command line only)  
 Data transfer: GigE (frame rate limitations may apply), Camera Link™  
 Digital video output: HD-SDI  
 Customer calibration management tools  
 Advanced triggering functionalities  
 Real-time processing (RTP-NUC)  
 Telops Automatic Exposure Control (AEC)

## OPTIONS

24 VDC Power Supply  
 Camera Link™ frame grabber board  
 3-m Camera Link™ cable  
 Motorized filter wheel (4-position), user-removable  
 25.4-mm diameter filters, up to 2-mm maximum thickness

## DELIVERABLES

Command & Control S/W  
 Optical head  
 Documentation and ICD

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[telops.com](http://telops.com)

**EXOSENS**  
 REVEAL THE INVISIBLE