HIGH-PERFORMANCE FAST CAMERAS



HD & Super HD



HIGH-DEFINITION THERMAL INFRARED CAMERAS WITH UP TO 3 MEGAPIXELS.

KEY FEATURES

HIGH DEFINITION



HIGH SPATIAL RESOLUTION AND IMAGING QUALITY



WIDE SPECTRAL BAND



ADVANCED CALIBRATION

The HD and Super HD Series are highperformance thermal infrared cameras designed to provide unprecedented image quality with crisp imaging of sharp targets while maintaining an excellent thermal sensitivity. They feature Telops' unique realtime calibration and provide unique capabilities in applications that require large image coverage.

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HD & Super HD





Jet Engine IR Signature Measurement

Non-Destructive Testing

HD & Super HD Series

SPECIFICATIONS	FAST M3Shd	FAST M2Shd	FAST M200hd	FAST M100hd
Detector Type	Cooled InSb	Cooled InSb	Cooled InSb	Cooled InSb
Detector Format	1920 × 1536 pixels	1520 × 1536 pixels	1280 × 1024 pixels	1280 × 1024 pixels
Spectral Range	1.5 – 5.4 µm	1.5 – 5.4 µm	1.5 – 5.4 μm (3 to 5 μm optional)	1.5 – 5.4 μm (3 to 5 μm optional)
Detector Pitch	10 µm	10 µm	10 µm	10 µm
Optical Aperture	F/3	F/3	F/3	F/3
Max. Frame Rate (Full Window)	113 Hz	50 Hz	180 Hz	100 Hz
Max. Frame Rate (Subwindow)	2 570 Hz @ 64 x 2	1 425 Hz @ 64 x 2	2 180 Hz @ 64 x 4	1 200 Hz @ 64 x 4
Operational Temperature	-20 °C to +50 °C			
Storage Temperature	-40 $^{\circ}$ C to +70 $^{\circ}$ C			
Typical NETD	30 mK	30 mK	30 mK	30 mK
Exposure Time	0.5 µs to full frame rate			
Lens Mount	Bayonet	Bayonet	Bayonet	Bayonet

sales@telops.com



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