

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

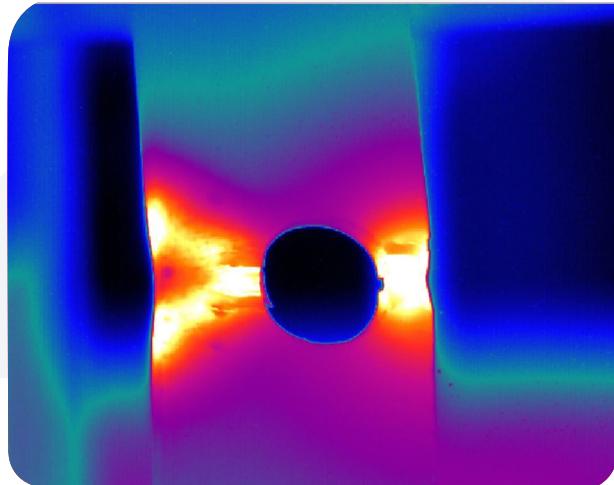


ADVANCED CALIBRATION

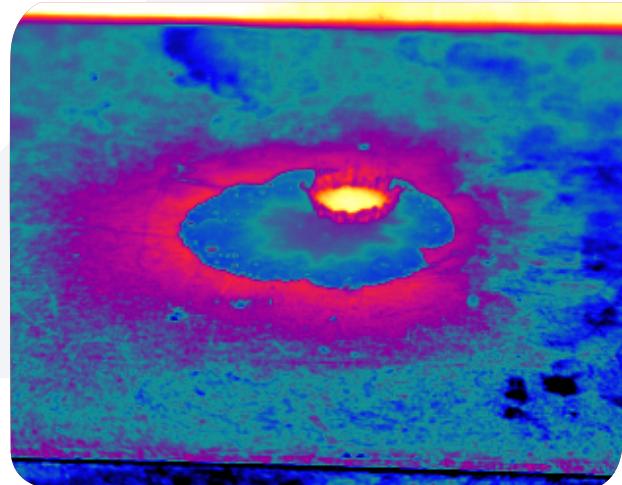
The HD and Super HD Series are high-performance thermal infrared cameras designed to provide unprecedented image quality with crisp imaging of sharp targets while maintaining an excellent thermal sensitivity. They feature Telops' unique real-time calibration and provide unique capabilities in applications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



HD & Super HD



Experimental Mechanics & NDT



Fluid Thermodynamics Droplet 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 μ m	1.5 – 5.4 μ m	1.5 – 5.4 μ m (3 to 5 μ m optional)	1.5 – 5.4 μ m (3 to 5 μ m optional)
Detector Pitch	10 μ m	10 μ m	10 μ m	10 μ m
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	3 521 Hz @ 64 x 8	2 032 Hz @ 64 x 8
Operational Temperature	-20 °C to +50 °C	-20 °C to +50 °C	-20 °C to +50 °C	-20 °C to +50 °C
Storage Temperature	-40 °C to +70 °C	-40 °C to +70 °C	-40 °C to +70 °C	-40 °C to +70 °C
Typical NETD	30 mK	30 mK	30 mK	30 mK
Exposure Time	0.5 μ s to full frame rate	0.5 μ s to full frame rate	0.5 μ s to full frame rate	0.5 μ s to full frame rate
Lens Mount	Threaded	Threaded	Threaded	Threaded

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