

## Product Datasheet - Technical Specifications



More information in our Web-Shop at ► [www.meilhaus.com](http://www.meilhaus.com)

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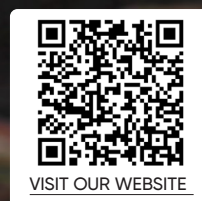
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# M SERIES

Advanced thermal imaging camera  
with full function analysis



VISIT OUR WEBSITE

## Professional Handheld Thermal Imaging Camera for Versatile Applications



Interchangeable  
Battery System



Complete Image  
Annotations



Rugged &  
Durable Design



1 Level & Span



Image Modes



Laser Pointer

### Manual Focus

Adjusting the manual focus ring allows to see objects clearly on targets as close as 0.1 m (0.33 ft) and still capture sharp images and more accurate results from further away. (M11W, M20W features a focus-free lens.)

#### WHAT'S IN THE BOX



#### OPTIONAL ACCESSORIES



Additional  
batteries  
E097-13-1S1P26650



Pouch  
HM-SP01-POUCH



Replacement  
Charger  
HM-5202ZC



Bracket  
HM-AHBR03

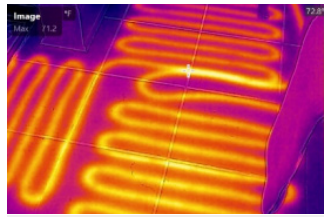


Micro Lens  
HM-AHL02-MM650

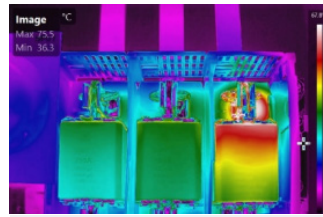
## APPLICATIONS



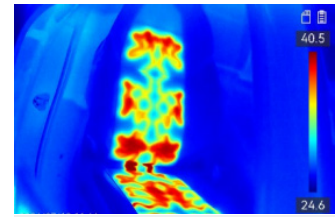
Building Insulation



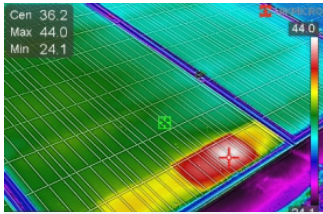
In Floor Heating



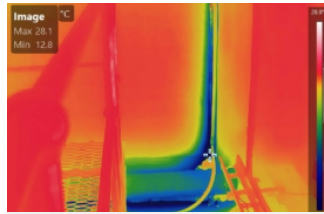
Electrical Cabinet



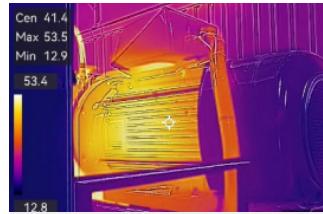
Automotive



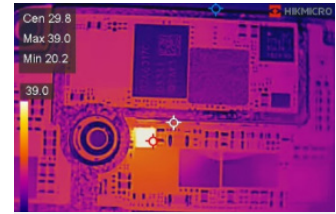
Solar Panel



Freezer Room



Mechanical



PCB



### HIKMICRO Viewer

Connect HIKMICRO Viewer app via Wi-Fi to transfer photos or videos from camera to mobile device.



### HIKMICRO Analyzer

Compatible with files from HIKMICRO cameras, providing the features you need to simplify your workflow and increase your productivity.

## Precise, Flexible, Stable Microscope Stand

Paired with a macro lens, it transforms into a thermal imaging microscope suitable for scenarios requiring temperature observation of tiny details. Connect with HIKMICRO Analyzers for real-time viewing and analysis.



Model No	M11	M11W	M20W	M20	M31	M60
IR Resolution	192 × 144 (27,648 pixels)	192 × 144 (27,648 pixels)	256 × 192 (49,152 pixels)	256 × 192 (49,152 pixels)	384 × 288 (110,592 pixels)	640 × 480 (307,200 pixels)
SuperIR	192 × 144 (27,648 pixels)	192 × 144 (27,648 pixels)	512 × 384 (196,608 pixels)	512 × 384 (196,608 pixels)	768 × 576 (442,368 pixels)	1280 × 960 (1,228,800 pixels)
NETD	< 40 mK (@ 25 °C, F#=1.0)			< 30 mK (@ 25 °C, F#=1.0)		< 35 mK (@ 25 °C, F#=1.0)
Focal Length	6.9mm	3.6mm	3.5mm	6.9mm	6.4 mm	15mm
FOV	18.8° × 14.1°	37.2° × 27.8°	50° × 37.2°	25° × 18.8°	41.1°×30.5°	41.9° × 33.3°
Focus	Manual Focus	Focus Free	Focus Free	Manual Focus	Manual Focus	Manual Focus
Visual Camera	3264 × 2448 (8 MP)					
Min. Focusing Distance	0.1 m (0.33 ft)	0.5 m (1.64 ft)	0.5 m (1.64 ft)	0.1 m (0.33 ft)	0.1 m (0.32 ft)	0.3 m (0.98 ft)
Object Temp. Range	-20 °C to 550 °C (-4 °F to 1022 °F)				-20 °C to 650 °C (-4 °F to 1202 °F)	
Accuracy	Max. (± 2°C/3.6°F, ± 2%), for ambient temperature 15°C to 35°C (59°F to 95°F) and object temperature above 0°C (32°F)					
Wi-Fi	802.11 b/g/n (2.4 GHz and 5 GHz)					
Storage	Default Storage: Removable SD Card (16 GB) ; Max. Storage Capacity: 128 GB				Default Storage: Removable SD Card (64 GB) ; Max. Storage Capacity: 128 GB	
Battery Operating Time	Approx. 6 hours x 2	Approx. 6 hours x 2	Approx. 6 hours x 2	Approx. 6 hours x 2	Approx. 4 hours x 2	Approx. 4 hours x 2