

# B Series

Compact easy to use thermal imaging camera for daily operation


**SuperIR**
**SuperSCENE**

## Enhanced Thermal Clarity with SuperIR

HIKMICRO's SuperIR image enhancement technology upscales the resolution of captured thermal images to 640 x 480 (307,200 pixels), significantly improving thermal image quality. It also provides a smooth 25 Hz image frequency for live viewing and photo capture.



## Multiple Image Modes

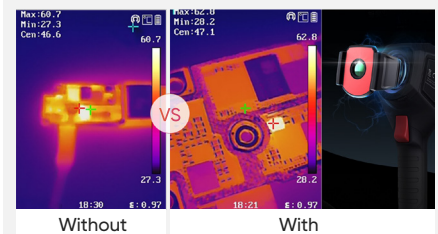
Fusion, Thermal, PIP and Visual modes to suit your preferred view.

Only B20S



## Innovative Macro Mode

Using a clip-on macro lens, the B Series cameras can see details as small as 500 microns and allow you to take accurate temperature readings on small objects, such as components on printed circuit boards or assemblies.



## 3.2" Color LCD

View the details of your images on the large, class-leading LCD screen.



## Efficient Temperature Measurement

Track the temperature of Center, Hot, Cold spot and 3 Custom spots automatically.



## Wi-Fi Connectivity

Connect to mobile devices via built-in Wi-Fi and the HIKMICRO Viewer App to quickly share your images.

## APPLICATIONS



Building Envelope



Electrical Cabinet



Mechanical Inspection



Automotive Inspection

## WHAT'S IN THE BOX



- Thermal Imager
- Wrist Strap
- Calibration Certificate
- USB Cable
- Quick Start Guide

## OPTIONAL ACCESSORIES



— B Series Macro Lens —  
HM-B201-MACRO



— E/B Series POUCH —  
HM-B01-POUCH

| Camera Highlights              |                          | B21LS                                                                                                          | B20S                      |
|--------------------------------|--------------------------|----------------------------------------------------------------------------------------------------------------|---------------------------|
| Infrared Image                 | IR Resolution            | 256 × 192 (49,152 pixels)                                                                                      |                           |
|                                | SuperIR                  | Yes, on Captured Thermal Images                                                                                |                           |
|                                | NETD                     | < 40mK                                                                                                         |                           |
|                                | Image Frequency          | 25 Hz                                                                                                          |                           |
|                                | Field of View (FOV)      | 37.2° × 50.0°                                                                                                  |                           |
|                                | Focus Mode               | Focus Free                                                                                                     |                           |
| Image Display                  | Visual Camera            | —                                                                                                              | 1600 × 1200 (2 MP)        |
|                                | Image Modes              | Thermal                                                                                                        | Thermal/Visual/PIP/Fusion |
|                                | Display                  | 480 × 640 Resolution, 3.2" LCD Screen                                                                          |                           |
| Measurement and Analysis       | Object Temperature Range | -20 °C to 550 °C (-4°F to 1022°F)                                                                              |                           |
|                                | SuperScene               | Water Leak, Insulation                                                                                         |                           |
|                                | Accuracy                 | Max (±2°C/3.6°F, ±2%), for the ambient temp. 15°C to 35 °C (59 °F to 95 °F) and object temp. above 0 °C (32°F) |                           |
| Data Storage and Communication | Storage Media            | Built-in 16 GB flash memory                                                                                    |                           |
|                                | File Format              | Radiometric JPEG                                                                                               |                           |
|                                | Storage Capacity         | Up to 35,000 images                                                                                            |                           |
| General                        | Durability               | 2m (6.56 ft) drop test, IP54                                                                                   |                           |
|                                | Wi-Fi                    | 802.11 b/g/n (2.4GHz)                                                                                          |                           |
|                                | Led Flashlight           | N/A                                                                                                            | Yes                       |
|                                | Laser Pointer            | Yes                                                                                                            | N/A                       |
|                                | Battery Operating Time   | Approx. 6 hours                                                                                                |                           |