

SCHNEIDER MESSTECHNIK

B11 Handheld Thermal Camera



HIKMICRO B11 is designed for temperature measurement to find invisible faults. It's equipped with a 192 × 144 resolution thermal detector and a 2MP optical detector. The thermography ranges from -20°C to 550°C (-4°F to 1022°F), which meets the most situation. It helps the staff to quickly find the fault according to accurate temperature measurements of high-temperature targets in the environment. Meanwhile, it provides assistance decisions and ensures safety. The device is mainly applied to various industries, such as Building, HVAC, auto industry, etc.

Key Feature

- Thermal resolution: 192 × 144 (27,648 pixels)
- NETD: < 40 mK (@ 25°C, F# = 1.0)
- Temperature measurement range: -20°C to 550°C (-4°F to 1022°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)
- Measurement presets: Center spot, Hot spot, Cold spot, User Preset Point
- 25 Hz image frequency
- 3.2" LCD screen display
- Up to 6 hours continuous running

Specification Infrared Image

IR Resolution192 × 144 (27,648 pixels)SuperRYes, on captured thermal imagesNETD< 40 mK (@ 25°C, F# = 1.0)Image Frequency25 HzDetector Pitch12 µmSpectral Range7.5 to 14 µmFocal Length3.6 mmFnumberF1.0Field of View (FOV)27.8° × 37.2°Spatial Resolution (IFOV)3.3 mradMin. Focus Distance0.3 m (0.98 ft)Focus ModeFocus FreeImage Display240 × 320 Resolution, 3.2° LCD ScreenColor PalettesWhite Hot, Black Hot, Rainbow, IronbowColor AlarmAbove alarmImage Modes-20° Ct to 550° C (4° Ft to 1022° F)AccuracyCenter Spot, Hot Spot, Cold SpotMeasurement ToolsCenter Spot, Hot Spot, Cold SpotResurement ToolsCenter Spot, Hot Spot, Cold SpotStorage Rape Modessult-In 16 GB flash memoryImage Storage CapacityApprox.90,000 ImagesCenter Spot, Hot Spot, Cold SpotUser Aderinable: 3 spotsLevel and Span ModeUSB Type-CUSB InterfaceUSB Type-CUSB InterfaceUSB Type-CLED LightYesBattery TypeRechargeable Li-In batteryBattery TypeApprox. 3 hours fully chargedProtection LevelIPpoc. 6 hoursBattery Charging TimeApprox.0 hours fully chargedProtection LevelIPpoc. 6 hoursBattery Charging TimeApprox.6 hours fully chargedProtection LevelIPS4Protection LevelIP	Infrared Image	
NETD< 40 mK (@ 25°C, F# = 1.0)	IR Resolution	192 × 144 (27,648 pixels)
Image Frequency25 HzImage Frequency25 HzDetector Pitch12 µmSpectral Range7.5 to 14 µmFocal Length3.6 mmFournberF1.0Field of View (FOV)27.8 * x 37.2 *Spatial Resolution (IFOV)3.3 mradMin. Focus Distance0.3 m (0.98 ft)Focus ModeFocus FreeImage DisplayVVisual Camera1600 × 1200 (2 MP)Display240 × 320 Resolution, 3.2 * LCD ScreenColor PalettesWhite Hot, Black Hot, Rainbow, IronbowColor AlarmAbove alarmImage Display240 × 320 Resolution, 9.2 * LCD ScreenColor AlarmAbove alarmImage ModesThermal/Visual/Fusion/PIPMeasurement and AnalysisThermal/Visual/Fusion/PIPMeasurement ToolsCenter Spot, Hot Spot, Cold Spot User-definable: 3 spotsLevel and Span ModeAuto/ManualDatasorage CapacityApprox. 90,000 ImagesGeneralUSE Type-CUY-Fi802.11 b/g/n (2.4 GHz)USB InterfaceUSB Type-CBattery TypeRechargeable Li-ion batteryBattery TypeApprox. 6 hoursBattery TypeApprox. 6 hoursBattery Charging TimeApprox. 8 hours fully chargedProtection LevelIP54Vorking Temperature Range-10°C to 50°C (4*F to 122*F)Storage Temperature Range-10°C to 50°C (4*F to 122*F)Storage Temperature Range-20°C to 60°C (4*F to 122*F)	SuperIR	Yes, on captured thermal images
Detector Pitch12 μmSpectral Range7.5 to 14 μmFocal Length3.6 mmFnumberF1.0FinumberF1.0FinumberF1.0Spatial Resolution (IFOV)3.3 mradMin. Focus Distance0.3 m (0.98 ft)Focus ModeFocus FreeImage Display240 × 320 Resolution, 3.2" LCD ScreenColor PalettesWhite Hot, Black Hot, Rainbow, IronbowColor AlarmAbove alarmImage ModesThermal/Visual/Fusion/PIPMeasurement and AnalysisThermal/Visual/Fusion/PIPMeasurement ToolsCenter Spot, Hot Spot, Cold SpotLevel and Span ModeAuto/ManualData Storage and CommunicationUser-definable: 3 spotsImage ModesCenter Spot, Hot Spot, Cold SpotMeasurement ToolsCenter Spot, Hot Spot, Cold SpotUser definable: 3 spotsUser-definable: 3 spotsLevel and Span ModeAuto/ManualData Storage AdaiaBuilt-In 16 GB flash memoryImage MediaBuilt-In 16 GB flash memoryImage Storage CapacityApprox. 90.000 ImagesGeneralYesBattery TypeRechargeable Li-ion batteryBattery TypeRechargeable Li-ion batteryBattery Charging TimeApprox. 6 hoursBattery Chargi	NETD	< 40 mK (@ 25°C, F# = 1.0)
Spectral Range7.5 to 14 µmFocal Length3.6 mmFournberF1.0Find of View (FOV)27.8" × 37.2"Spatial Resolution (IFOV)3.3 mradMin. Focus Distance0.3 m (0.98 ft)Focus ModeFocus FreeImage DisplayVisual Camera1600 × 1200 (2 MP)Display240 × 320 Resolution, 3.2" LCD ScreenColor PalettesWhite Hot, Black Hot, Rainbow, IronbowColor PalettesWhite Hot, Black Hot, Rainbow, IronbowColor AlarmAbove alarmImage ModesThermal/Visual/Fusion/PIPMeasurement and Analysis-Object Temperature Range- 20°C to 550°C (4"F to 1022"F)AccuracyMax. (4 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)Measurement ToolsCenter Spot, Hot Spot, Cold Spot User-definable: 3 spotsLevel and Span ModeAuto/ManualPota Storage and Communication-USB Type-C-USB InterfaceUSB Type-CUSB InterfaceUSB Type-CUSB InterfaceUSB Type-CBattery Operating TimeApprox. 6 hoursBattery Operating TimeApprox. 6 hoursBattery Charging TimeApprox. 6 hoursBattery Charging TimeApprox. 6 hoursBattery Charging TimeAporox. 6 hoursBattery Charging TimeAporox. 6 hoursBattery Charging TimeAporox. 6 hoursBattery Charging TimeAporox. 6 hoursBattery Charging Time<	Image Frequency	25 Hz
Focal Length3.6 mmFnumberF1.0Field of View (FOV)27.8" × 37.2"Spatial Resolution (IFOV)3.3 mradMin. Focus Distance0.3 m (0.98 ft)Focus ModeFocus FreeImage Display240 × 320 Resolution, 3.2" LCD ScreenVisual Camera1600 × 1200 (2 MP)Display240 × 320 Resolution, 3.2" LCD ScreenColor PalettesWhite Hot, Black Hot, Rainbow, IronbowColor AlarmAbove alarmImage ModesThermal/Visual/Fusion/PIPMeasurement and Analysis-20°C to 550°C (4*F to 1022°F)AccuracyMax. (± 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)Measurement ToolsCenter Spot, Hot Spot, Cold Spot User-definable: 3 spotsLevel and Span ModeAuto/ManualData Storage and CommunicationSolution 16 GB flash memoryImage Storage CapacityApprox. 90,000 ImagesGeneralUSB Type-CLED LightYesBattery TypeRechargeable Li-ion batteryBattery Operating TimeApprox. 6 hoursBattery Charging TimeApprox. 6 hoursBattery Charging TimeApprox. 6 hoursBattery Charging Time20°C to 50°C (14°F to 122°F)Vorking Temperature Range-20°C to 60°C (4°F to 140°F)	Detector Pitch	12 μm
FnumberF1.0Field of View (FOV)27.8" × 37.2"Spatial Resolution (IFOV)3.3 mradMin. Focus Distance0.3 m (0.98 ft)Focus NodeFocus FreeImage Display1600 × 1200 (2 MP)Display240 × 320 Resolution, 3.2" LCD ScreenColor PalettesWhite Hot, Black Hot, Rainbow, IronbowColor AlarmAbove alarmImage ModesTormal/Visual/Fusion/PIPMeasurement and Analysis-20°C to 550°C (4°F to 1022°F)Measurement ToolsCenter Spot, Hot Spot, Cold SpotLevel and Span ModeAuto/ManualDisrage MediaBuilt-in 16 GB flash memoryImage Storage CapacityApprox. 90,000 ImagesGeneralUSS Type-CLED LightYesBattery TypeRechargeable Li-ion batteryBattery TypeRechargeable Li-ion batteryBattery Charging TimeApprox. 6 hoursBattery Charging TimeApprox. 6 hoursBattery Charging TimeApprox. 6 hoursBattery Charging Time20°C (14°F to 122°F)Vorking Temperature Range-10°C to 50°C (14°F to 122°F)Storage Temperature Range-10°C to 50°C (14°F to 122°F)	Spectral Range	7.5 to 14 μm
Field of View (FoV)27.8° × 37.2°Spatial Resolution (IFOV)3.3 mradMin. Focus Distance0.3 m (0.98 ft)Focus ModeFocus FreeImage Display1600 × 1200 (2 MP)Visual Camera1600 × 1200 (2 MP)Display240 × 320 Resolution, 3.2° LCD ScreenColor PalettesWhite Hot, Black Hot, Rainbow, IronbowColor AlarmAbove alarmImage ModesThermal/Visual/Fusion/PIPMeasurement and Analysis-20°C to 550°C (4°F to 1022°F)Object Temperature Range-20°C to 550°C (4°F to 1022°F)Accuracyand object temperature above 0°C (32°F)Measurement ToolsCenter Spot, Hot Spot, Cold Spot User-definable: 3 spotsLevel and Span ModeAuto/ManualData Storage and CommunicationStorage MediaWi-Fi802.11 b/g/n (2.4 GHz)Wi-Fi802.11 b/g/n (2.4 GHz)USB InterfaceUSB Type-CLED LightYesBattery TypeRechargeable Li-ion batteryBattery Operating TimeApprox. 6 hoursBattery Charging TimeApprox. 6 hoursBattery Charging TimeApprox. 6 hoursBattery Charging Time20°C to 50°C (14°F to 122°F)Vorking Temperature Range-10°C to 50°C (14°F to 122°F)Storage Temperature Range-20°C to 60°C (4°F to 140°F)	Focal Length	3.6 mm
Spatial Resolution (IFOV)3.3 mradMin. Focus Distance0.3 m (0.98 ft)Focus ModeFocus FreeImage DisplayVisual Camera1600 × 1200 (2 MP)Display240 × 320 Resolution, 3.2" LCD ScreenColor PalettesWhite Hot, Black Hot, Rainbow, IronbowColor AlarmAbove alarmImage ModesThermal/Visual/Fusion/PIPMeasurement and Analysis-20°C to 550°C (4"F to 1022"F)Object Temperature Range-20°C to 550°C (4"F to 1022"F)AccuracyMax. (± 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)Measurement ToolsCenter Spot, Hot Spot, Cold Spot User-definable: 3 spotsLevel and Span ModeAuto/ManualData Storage AndocBuilt-in 16 GB flash memoryImage Storage Capacity& 802.11 b/g/n (2.4 GHz)Wi-Fi802.11 b/g/n (2.4 GHz)USB InterfaceUSB Type-CLED LightYesBattery TypeRechargeable Li-ion batteryBattery Operating TimeApprox. 6 hoursBattery Charging TimeApprox. 6 hoursBattery Charging TimeApprox. 6 hoursBattery Charging Time400°C (14"F to 122"F)Vorking Temperature Range-10°C to 50°C (14"F to 122"F)Storage Temperature Range-20°C to 60°C (4"F to 122"F)Storage Temperature Range-10°C to 50°C (14"F to 122"F)	F-number	F1.0
Min. Focus Distance0.3 m (0.98 ft)Focus ModeFocus FreeImage DisplayFocus FreeVisual Camera1600 × 1200 (2 MP)Display240 × 320 Resolution, 3.2" LCD ScreenColor PalettesWhite Hot, Black Hot, Rainbow, IronbowColor PalettesWhite Hot, Black Hot, Rainbow, IronbowColor AlarmAbove alarmImage ModesThermal/Visual/Fusion/PIPMeasurement and AnalysisObject Temperature Range-20°C to 550°C (-4°F to 1022°F)AccuracyMax. (± 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)Measurement ToolsCenter Spot, Hot Spot, Cold Spot User-definable: 3 spotsLevel and Span ModeAuto/ManualData Storage and CommunicationSol:11 b/g/n (2.4 GHz)Wi-Fi802.11 b/g/n (2.4 GHz)USB InterfaceUSB Type-CLED LightYesBattery Operating TimeApprox. 6 hoursBattery Operating TimeApprox. 6 hoursBattery Operating TimeApprox. 6 hoursBattery Charging TimeApprox. 3 hours fully chargedProtection LevelIP54Corp Test Height2 m (6.56 ft)Working Temperature Range-20°C to 60°C (-4°F to 140°F)	Field of View (FOV)	27.8° × 37.2°
Focus ModeFocus FreeImage DisplayVisual Camera1600 × 1200 (2 MP)Display240 × 320 Resolution, 3.2" LCD ScreenColor PalettesWhite Hot, Black Hot, Rainbow, IronbowColor AlarmAbove alarmImage ModesThermal/Visual/Fusion/PIPMeasurement and AnalysisObject Temperature Range20°C to 550°C (-4°F to 1022°F)AccuracyMax. (± 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)Measurement ToolsCenter Spot, Hot Spot, Cold Spot User-definable: 3 spotsLevel and Span ModeAuto/ManualData Storage AdCommunicationStorage MediaWi-Fi802.11 b/g/n (2.4 GHz)Wi-Fi802.11 b/g/n (2.4 GHz)USB InterfaceUSB Type-CLED LightYesBattery Operating TimeApprox. 6 hoursBattery Operating TimeApprox. 6 hoursBattery Charging TimeApprox. 3 hours fully chargedProtection LevelIP54Drop Test Height2 m (6.56 ft)Working Temperature Range-20°C to 60°C (-4°F to 140°F)	Spatial Resolution (IFOV)	3.3 mrad
Image DisplayVisual Camera1600 × 1200 (2 MP)Display240 × 320 Resolution, 3.2" LCD ScreenColor PalettesWhite Hot, Black Hot, Rainbow, IronbowColor AlarmAbove alarmImage ModesThermal/Visual/Fusion/PIPMeasurement and AnalysisObject Temperature Range-20°C to 550°C (-4°F to 1022°F)AccuracyMax. (± 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)Measurement ToolsCenter Spot, Hot Spot, Cold Spot User-definable: 3 spotsLevel and Span ModeAuto/ManualData Storage And CommunicationStorage Capacity Approx. 90,000 ImagesGeneralViFiWi-Fi802.11 b/g/n (2.4 GHz)USB InterfaceUSB Type-CLED LightYesBattery Operating TimeApprox. 6 hoursBattery Operating TimeApprox. 6 hoursBattery Operating TimeApprox. 3 hours fully chargedProtection LevelIP54Orop Test Height2 m (6.56 ft)Working Temperature Range-0°C to 60°C (-4°F to 122°F)Storage Temperature Range-0°C to 60°C (+4°F to 140°F)	Min. Focus Distance	0.3 m (0.98 ft)
Visual Camera1600 × 1200 (2 MP)Display240 × 320 Resolution, 3.2" LCD ScreenColor PalettesWhite Hot, Black Hot, Rainbow, IronbowColor AlarmAbove alarmImage ModesThermal/Visual/Fusion/PIPMeasurement and AnalysisVObject Temperature Range-20°C to 550°C (-4°F to 1022°F)AccuracyMax. (± 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)Measurement ToolsCenter Spot, Hot Spot, Cold Spot User-definable: 3 spotsLevel and Span ModeAuto/ManualData Storage CapacityApprox. 90,000 ImagesGeneralVWi-Fi802.11 b/g/n (2.4 GHz)USB InterfaceUSB Type-CLED LightYesBattery Operating TimeApprox. 6 hoursBattery Operating TimeApprox. 3 hours fully chargedProtection LevelIP54Drop Test Height2 m (6.56 ft)Working Temperature Range-0°C (24°F to 122°F)Storage Temperature Range-0°C to 50°C (-4°F to 122°F)	Focus Mode	Focus Free
Display240 × 320 Resolution, 3.2" LCD ScreenColor PalettesWhite Hot, Black Hot, Rainbow, IronbowColor AlarmAbove alarmImage ModesThermal/Visual/Fusion/PIPMeasurement and Analysis-20"C to 550°C (-4"F to 1022"F)Object Temperature Range-20"C to 550°C (-4"F to 1022"F)AccuracyMax. (± 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)Measurement ToolsCenter Spot, Hot Spot, Cold Spot User-definable: 3 spotsLevel and Span ModeAuto/ManualData Storage and CommunicationNapprox. 90,000 ImagesGeneralWiFiWiFi802.11 b/g/n (2.4 GHz)USB InterfaceUSB Type-CLED LightYesBattery Operating TimeApprox. 9 doursBattery Operating TimeApprox. 3 hours fully chargedProtection LevelIP54Drop Test Height2 m (6.56 ft)Working Temperature Range-10"C to 50"C (14"F to 122"F)Storage Temperature Range-20"C to 60"C (4"F to 140"F)	Image Display	
Color PalettesWhite Hot, Black Hot, Rainbow, IronbowColor AlarmAbove alarmImage ModesThermal/Visual/Fusion/PIPMeasurement and Analysis20°C to 550°C (-4°F to 1022°F)Object Temperature Range-20°C to 550°C (-4°F to 1022°F)AccuracyMax. (± 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)Measurement ToolsCenter Spot, Hot Spot, Cold Spot User-definable: 3 spotsLevel and Span ModeAuto/ManualData Storage and CommunicationStorage And CommunicationWi-FiBuilt-in 16 GB flash memoryImage Storage CapacityApprox. 90,000 ImagesGeneralUSB Type-CWi-Fi802.11 b/g/n (2.4 GHz)USB InterfaceUSB Type-CLED LightYesBattery TypeRechargeable Li-ion batteryBattery Operating TimeApprox. 6 hoursBattery Charging TimeApprox. 3 hours fully chargedProtection LevelIP54Drop Test Height2 m (6.56 ft)Working Temperature Range-10°C to 50°C (14°F to 122°F)Storage Temperature Range-20°C to 60°C (4°F to 140°F)	Visual Camera	1600 × 1200 (2 MP)
Color AlarmAbove alarmImage ModesThermal/Visual/Fusion/PIPMeasurement and Analysis-20°C to 550°C (-4°F to 1022°F)Object Temperature Range-20°C to 550°C (-4°F to 1022°F)AccuracyMax. (± 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)Measurement ToolsCenter Spot, Hot Spot, Cold Spot User-definable: 3 spotsLevel and Span ModeAuto/ManualData Storage and CommunicationStorage And CommunicationStorage MediaBuilt-in 16 GB flash memoryImage Storage CapacityApprox. 90,000 ImagesGeneralUSB Type-CWi-Fi802.11 b/g/n (2.4 GHz)USB InterfaceUSB Type-CLED LightYesBattery TypeRechargeable Li-ion batteryBattery Operating TimeApprox. 6 hoursBattery Charging TimeApprox. 6 hoursBattery Charging TimeApprox. 3 hours fully chargedProtection LevelIP54Drop Test Height2 m (6.56 ft)Working Temperature Range-10°C to 50°C (14°F to 122°F)Storage Temperature Range-20°C to 60°C (-4°F to 140°F)	Display	240 × 320 Resolution, 3.2" LCD Screen
Image ModesThermal/Visual/Fusion/PIPMeasurement and AnalysisObject Temperature Range-20°C to 550°C (-4°F to 1022°F)AccuracyMax. (± 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)Measurement ToolsCenter Spot, Hot Spot, Cold Spot User-definable: 3 spotsLevel and Span ModeAuto/ManualData Storage and CommunicationStorage MediaBuilt-in 16 GB flash memoryBuilt-in 16 GB flash memoryImage Storage CapacityAporox. 90,000 ImagesGeneralUSB Type-CUSB InterfaceUSB Type-CLED LightYesBattery Operating TimeAporox. 6 hoursBattery Operating TimeAporox. 3 hours fully chargedProtection LevelIP54Drop Test Height2 m (6.56 ft)Working Temperature Range-20°C to 60°C (-4°F to 140°F)	Color Palettes	White Hot, Black Hot, Rainbow, Ironbow
Measurement and AnalysisObject Temperature Range-20°C to 550°C (-4°F to 1022°F)AccuracyMax. (± 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)Measurement ToolsCenter Spot, Hot Spot, Cold Spot User-definable: 3 spotsLevel and Span ModeAuto/ManualData Storage and CommunicationStorage CapacityMersurementBuilt-in 16 GB flash memoryImage Storage CapacityAprox. 90,000 ImagesGeneralUSB Type-CUSB InterfaceUSB Type-CLED LightYesBattery Operating TimeApprox. 6 hoursBattery Charging TimeApprox. 3 hours fully chargedProtection LevelIP54Drop Test Height2 m (6.56 ft)Working Temperature Range-10°C to 50°C (-4°F to 120°F)Storage Temperature Range-20°C to 60°C (-4°F to 140°F)	Color Alarm	Above alarm
Object Temperature Range-20°C to 550°C (-4°F to 1022°F)AccuracyMax. (± 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)Measurement ToolsCenter Spot, Hot Spot, Cold Spot User-definable: 3 spotsLevel and Span ModeAuto/ManualData Storage and CommunicationBuilt-in 16 GB flash memoryImage Storage CapacityApprox. 90,000 ImagesGeneralUSB InterfaceWi-Fi802.11 b/g/n (2.4 GHz)USB InterfaceUSB Type-CLED LightYesBattery Operating TimeApprox. 6 hoursBattery Operating TimeApprox. 3 hours fully chargedProtection LevelIP54Drop Test Height2 m (6.56 ft)Working Temperature Range-20°C to 60°C (-4°F to 140°F)	Image Modes	Thermal/Visual/Fusion/PIP
AccuracyMax. (± 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)Measurement ToolsCenter Spot, Hot Spot, Cold Spot User-definable: 3 spotsLevel and Span ModeAuto/ManualData Storage and CommunicationStorage MediaBuilt-in 16 GB flash memoryImage Storage CapacityApprox. 90,000 ImagesGeneralStorage MediaWi-Fi802.11 b/g/n (2.4 GHz)USB InterfaceUSB Type-CLED LightYesBattery Operating TimeApprox. 6 hoursBattery Charging TimeApprox. 3 hours fully chargedProtection LevelIP54Drop Test Height2 m (6.56 ft)Working Temperature Range-10°C to 50°C (14°F to 122°F)Storage Temperature Range-20°C to 60°C (-4°F to 140°F)	Measurement and Analysis	
Accuracyand object temperature above 0°C (32°F)Measurement ToolsCenter Spot, Hot Spot, Cold Spot User-definable: 3 spotsLevel and Span ModeAuto/ManualData Storage and CommunicatStorage MediaBuilt-in 16 GB flash memoryImage Storage CapacityApprox. 90,000 ImagesGeneralWi-Fi802.11 b/g/n (2.4 GHz)USB InterfaceUSB Type-CLED LightYesBattery TypeRechargeable Li-ion batteryBattery Operating TimeApprox. 3 hours fully chargedProtection LevelIP54Drop Test Height2 m (6.56 ft)Working Temperature Range-00°C (4°F to 140°F)	Object Temperature Range	-20°C to 550°C (-4°F to 1022°F)
And object temperature above 0°C (32°F)Measurement ToolsCenter Spot, Hot Spot, Cold Spot User-definable: 3 spotsLevel and Span ModeAuto/ManualData Storage and CommunicationStorage MediaBuilt-in 16 GB flash memoryImage Storage CapacityApprox. 90,000 ImagesGeneralWi-Fi802.11 b/g/n (2.4 GHz)USB InterfaceUSB Type-CLED LightYesBattery TypeRechargeable Li-ion batteryBattery Operating TimeApprox. 3 hours fully chargedProtection LevelIP54Drop Test Height2 m (6.56 ft)Working Temperature Range-20°C to 60°C (-4°F to 140°F)	Accuracy	
Measurement ToolsUser-definable: 3 spotsLevel and Span ModeAuto/ManualData Storage and CommunicationStorage MediaBuilt-in 16 GB flash memoryImage Storage CapacityApprox. 90,000 ImagesGeneralStorage MediaWi-Fi802.11 b/g/n (2.4 GHz)USB InterfaceUSB Type-CLED LightYesBattery TypeRechargeable Li-ion batteryBattery Operating TimeApprox. 6 hoursBattery Charging TimeApprox. 3 hours fully chargedProtection LevelIP54Drop Test Height2 m (6.56 ft)Working Temperature Range-10°C to 50°C (14°F to 122°F)Storage Temperature Range-20°C to 60°C (-4°F to 140°F)		and object temperature above 0°C (32°F)
Level and Span ModeAuto/ManualData Storage and CommunicationStorage MediaBuilt-in 16 GB flash memoryImage Storage CapacityApprox. 90,000 ImagesGeneralWi-Fi802.11 b/g/n (2.4 GHz)USB InterfaceUSB Type-CLED LightYesBattery TypeRechargeable Li-ion batteryBattery Operating TimeApprox. 6 hoursBattery Charging TimeApprox. 3 hours fully chargedProtection LevelIP54Drop Test Height2 m (6.56 ft)Working Temperature Range-10°C to 50°C (14°F to 122°F)Storage Temperature Range-20°C to 60°C (-4°F to 140°F)	Measurement Tools	Center Spot, Hot Spot, Cold Spot
Data Storage and CommunicationStorage MediaBuilt-in 16 GB flash memoryImage Storage CapacityApprox. 90,000 ImagesGeneralWi-Fi802.11 b/g/n (2.4 GHz)USB InterfaceUSB Type-CLED LightYesBattery TypeRechargeable Li-ion batteryBattery Operating TimeApprox. 6 hoursBattery Charging TimeApprox. 3 hours fully chargedProtection LevelIP54Drop Test Height2 m (6.56 ft)Working Temperature Range-10°C to 50°C (14°F to 122°F)Storage Temperature Range-20°C to 60°C (-4°F to 140°F)		User-definable: 3 spots
Storage MediaBuilt-in 16 GB flash memoryImage Storage CapacityApprox. 90,000 ImagesGeneralWi-Fi802.11 b/g/n (2.4 GHz)USB InterfaceUSB Type-CLED LightYesBattery TypeRechargeable Li-ion batteryBattery Operating TimeApprox. 6 hoursBattery Charging TimeApprox. 3 hours fully chargedProtection LevelIP54Drop Test Height2 m (6.56 ft)Working Temperature Range-10°C to 50°C (14°F to 122°F)Storage Temperature Range-20°C to 60°C (-4°F to 140°F)	•	-
Image Storage CapacityApprox. 90,000 ImagesGeneralWi-Fi802.11 b/g/n (2.4 GHz)USB InterfaceUSB Type-CLED LightYesBattery TypeRechargeable Li-ion batteryBattery Operating TimeApprox. 6 hoursBattery Charging TimeApprox. 3 hours fully chargedProtection LevelIP54Drop Test Height2 m (6.56 ft)Working Temperature Range-10°C to 50°C (14°F to 122°F)Storage Temperature Range-20°C to 60°C (-4°F to 140°F)	Data Storage and Communication	
GeneralWi-Fi802.11 b/g/n (2.4 GHz)USB InterfaceUSB Type-CLED LightYesBattery TypeRechargeable Li-ion batteryBattery Operating TimeApprox. 6 hoursBattery Charging TimeApprox. 3 hours fully chargedProtection LevelIP54Drop Test Height2 m (6.56 ft)Working Temperature Range-10°C to 50°C (14°F to 122°F)Storage Temperature Range-20°C to 60°C (-4°F to 140°F)	Storage Media	Built-in 16 GB flash memory
Wi-Fi802.11 b/g/n (2.4 GHz)USB InterfaceUSB Type-CLED LightYesBattery TypeRechargeable Li-ion batteryBattery Operating TimeApprox. 6 hoursBattery Charging TimeApprox. 3 hours fully chargedProtection LevelIP54Drop Test Height2 m (6.56 ft)Working Temperature Range-10°C to 50°C (14°F to 122°F)Storage Temperature Range-20°C to 60°C (-4°F to 140°F)		Approx. 90,000 Images
USB InterfaceUSB Type-CLED LightYesBattery TypeRechargeable Li-ion batteryBattery Operating TimeApprox. 6 hoursBattery Charging TimeApprox. 3 hours fully chargedProtection LevelIP54Drop Test Height2 m (6.56 ft)Working Temperature Range-10°C to 50°C (14°F to 122°F)Storage Temperature Range-20°C to 60°C (-4°F to 140°F)		
LED LightYesBattery TypeRechargeable Li-ion batteryBattery Operating TimeApprox. 6 hoursBattery Charging TimeApprox. 3 hours fully chargedProtection LevelIP54Drop Test Height2 m (6.56 ft)Working Temperature Range-10°C to 50°C (14°F to 122°F)Storage Temperature Range-20°C to 60°C (-4°F to 140°F)		
Battery TypeRechargeable Li-ion batteryBattery Operating TimeApprox. 6 hoursBattery Charging TimeApprox. 3 hours fully chargedProtection LevelIP54Drop Test Height2 m (6.56 ft)Working Temperature Range-10°C to 50°C (14°F to 122°F)Storage Temperature Range-20°C to 60°C (-4°F to 140°F)		
Battery Operating TimeApprox. 6 hoursBattery Charging TimeApprox. 3 hours fully chargedProtection LevelIP54Drop Test Height2 m (6.56 ft)Working Temperature Range-10°C to 50°C (14°F to 122°F)Storage Temperature Range-20°C to 60°C (-4°F to 140°F)		
Battery Charging TimeApprox. 3 hours fully chargedProtection LevelIP54Drop Test Height2 m (6.56 ft)Working Temperature Range-10°C to 50°C (14°F to 122°F)Storage Temperature Range-20°C to 60°C (-4°F to 140°F)		
Protection LevelIP54Drop Test Height2 m (6.56 ft)Working Temperature Range-10°C to 50°C (14°F to 122°F)Storage Temperature Range-20°C to 60°C (-4°F to 140°F)		
Drop Test Height2 m (6.56 ft)Working Temperature Range-10°C to 50°C (14°F to 122°F)Storage Temperature Range-20°C to 60°C (-4°F to 140°F)		
Working Temperature Range-10°C to 50°C (14°F to 122°F)Storage Temperature Range-20°C to 60°C (-4°F to 140°F)		
Storage Temperature Range -20°C to 60°C (-4°F to 140°F)		
Relative Humidity < 95% non-condensing		
	Relative Humidity	< 95% non-condensing

ICS Schneider Messtechnik GmbH Briesestraße 59 D-16562 Hohen Neuendorf / OT Bergfelde

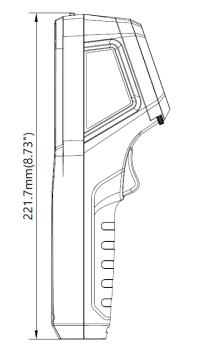
٠

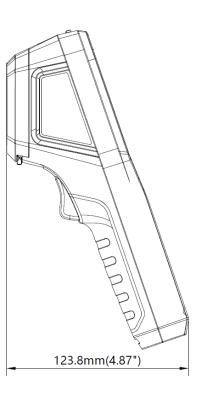
Dimension	221.7 mm × 73.5 mm × 123.8 mm (8.73" × 2.89" × 4.87")
Tripod Mounting	UNC ¼"-20

Available Model

B11

Dimension







Unit: mm (inch)

Optional Accessories



Tripod Mounting Bracket

HM-2925ZJ-TM01-BRACKET





POUCH HM-B01-POUCH

COMPLIANCE NOTICE: The thermal series products might be subject to export controls in various countries or regions, including without limitation, the United States, European Union, United Kingdom and/or other member countries of the Wassenaar Arrangement. Please consult your professional legal or compliance expert or local government authorities for any necessary export license requirements if you intend to transfer, export, re-export the thermal series products between different countries.





🚯 HIKMICRO Thermography 👩 hikmicro_thermography 🖸 HIKMICRO Thermography 🛅 HIKMICRO 🖂 info@hikmicrotech.com 🖵 http://hikmicrotech.com/en

© 2023 Hangzhou HIKMICRO Sensing Technology Co., Ltd. All Rights Reserved. Data subject to change without notice!

ICS Schneider Messtechnik GmbH Briesestraße 59 D-16562 Hohen Neuendorf / OT Bergfelde

Tel.: 03303 / 50 40 66 Fax.: 03303 / 50 40 68 info@ics-schneider.de www.ics-schneider.de