



THUNDER TE19CR 2.0

Thermal Monocular

HIKMICRO THUNDER TE19CR 2.0 Thermal Monocular has a 256×192 thermal detector and a 1024×768 OLED display, which provides clear images under harsh environment conditions like darkness, fog, smoke, dust, rain, snow, wood, camouflage, etc. With an extended operation time, the scope is mainly applied to scenarios such as hiking, hunting, searching and rescuing.

Key Features

- 256 × 192 resolution with 12 μm sensor
- 1024 × 768 resolution 0.39-inch OLED display
- Supports image brightness and tone adjustment
- Up to 10 hours of continuous operation
- Replaceable and rechargeable Li-ion battery
- Supports audio and recoil-activated recording
- High shock resistance up to 1000 g/0.4 ms

Specification

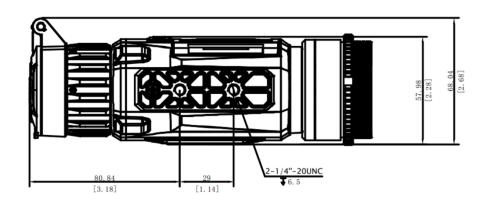
THERMAL MODULE		
IMAGE SENSOR	Uncooled Focal Plane Arrays	
MAX. RESOLUTION	256 × 192	
FRAME RATE	50 Hz	
PIXEL INTERVAL	12 µm	
NETD	less than 35 mK (25°C, F# = 1.0)	
LENS (FOCAL LENGTH)	19 mm	
FOCUS KNOB	No	
DETECTION RANGE	1000 m	
MIN. FOCUSING DISTANCE	0.5 m	
APERTURE	F1.0	
MAGNIFICATION	1 ×	
FIELD OF VIEW(H × V), DEGREES/M @100 M	9.24° × 6.94°/16.17 m × 12.13 m	
IMAGE DISPLAY		
DISPLAY	1024 × 768, 0.39 inch, 0LED	
PALETTES	Black Hot, White Hot, Red Hot, Fusion	
FFC (FLAT FIELD CORRECTION) MODE	Auto, Manual, External Correction	
EXIT PUPIL	22 mm	
EYE RELIEF	10 mm	
BRIGHTNESS ADJUSTMENT	Yes	
TONE ADJUSTMENT	Cold, Warm	
SYSTEM		
RECORD VIDEO	On-board video recording	
CAPTURE SNAPSHOT	Yes	
STANDBY MODE	Yes	
STORAGE	Built-in EMMC (16 GB)	
DPC	Yes	
HOTSPOT	Yes	
HOT TRACK	Yes	
RETICLE	Yes	

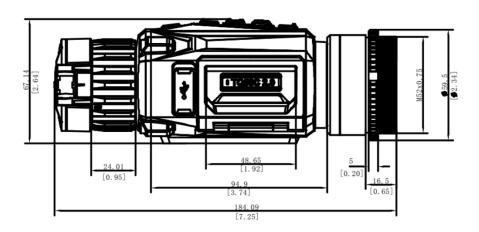
DISTANCE MEASUREMENT	Yes
RECOIL-ACTIVATION RECORDING	Yes
AUDIO RECORDING	Yes
MAX. RECOIL	1000 g/0.4 ms
IMAGE CALIBRATION	Yes
POWER SUPPLY	
BATTERY TYPE	Replaceable and Rechargeable Li-ion Battery
BATTERY OPERATING TIME	≥ 10 h (25°C, with hotspot off)
TYPE-C POWER SUPPLY	5 VDC, 2 A
	Supports external power supply
GENERAL	
PROTECTION LEVEL	IP67
DIMENSION	184.09 mm × 67.14mm × 68.04mm
WEIGHT	499 g without battery
WORKING TEMPERATURE	-30°C to +55°C (-22°F to 131°F)

Available Model

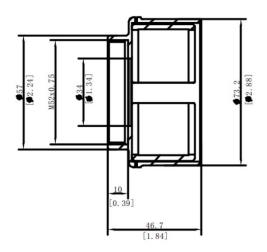
HM-TR52-19S1G/W-TE19C 2.0

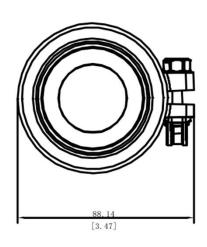
Dimension





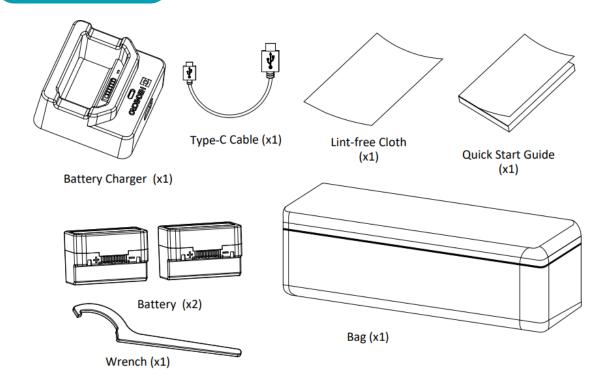
Unit:mm[Inch]





Unit:mm[Inch]

Accessories



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