

FQ35 2.0 Thermal Monocular



HIKMICRO FALCON FQ35 2.0 handheld Thermal Monocular camera is equipped with a 640×512 @ $12 \mu m$ thermal detector with much higher sensitivity (NETD < $15 \mu M$), ensuring the finest details caught no matter the weather or light conditions. A 0.49'' 1920×1080 larger OLED display and the innovative shutterless system (HSIS) provide an immersive and smooth viewing experience. Maintaining the traditional premium cylindrical shape design, the monocular can be applied mainly in forest & field hunting, birding, animal searching, rescuing and marine scenarios.

Key Feature

- High sensitivity thermal module NETD < 15mK (@25° C, F#=1.0)
- 640 × 512 resolution with 12 μm sensor
- 35 mm, F1.0 lens with detection range up to 1800 m
- 1920 × 1080 resolution 0.49-inch OLED display
- HIKMICRO Shutterless Image System (HSIS)
- 6.5 h+ continuous operation time with replaceable and rechargeable battery
- 486 g lightweight, with a compact and traditional cylindrical shape design

Specification

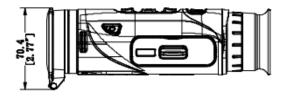
Image Sensor VOx Uncooled Focal Plane Arrays Max. Resolution 640 × 512 Frame Rate 50 Hz Pixel Interval 12 μm Response Waveband 8 μm to 14 μm NETD Less than 15 mK (@25°C), F#=1.0 Lens (Focal Length) 35 mm, F1.0 Focus Mode Rear Focus Wheel Min. Focusing Distance 3.5 m Magnification 1.9 × to 15.2 × (8 ×) Field of View(H × V), Degrees / m @100 m 12.5° × 10.0°/21.9 m × 17.5 m Detection Range 1800 m Image Display 1920 × 1080, 0.49 inch, OLED Contrast Adjustment Yes Brightness Adjustment Yes Brightness Adjustment Yes Black Hot, White Hot, Red Hot, Fusion, Red Monochrome, Green Monochrome Exit Pupil 8 mm Eye Relief 15 mm Diopter (Range) -5 D to +3 D Tone Adjustment Cold, Warm Zoom Pro Yes HSIS (HIKMICRO Shutterless) Yes Image Pro 2.0 Yes System Ye	Thermal Module	
Frame Rate Pixel Interval Pixel P	Image Sensor	VOx Uncooled Focal Plane Arrays
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Response Waveband 8 μm to 14 μm NETD Less than 15 mK (@25°C), F#=1.0 Lens (Focal Length) 35 mm, F1.0 Focus Mode Rear Focus Wheel Min. Focusing Distance 3.5 m Magnification 1.9 × to 15.2 × (8 ×) Field of View(H × V), Degrees / m @100 m Letection Range 1800 m Image Display Display 1920 × 1080, 0.49 inch, OLED Contrast Adjustment Yes Brightness Adjustment Yes Brightness Adjustment Yes Black Hot, White Hot, Red Hot, Fusion, Red Monochrome, Green Monochrome Exit Pupil 8 mm Eye Relief 15 mm Diopter (Range) -5 D to +3 D Tone Adjustment Cold, Warm Zoom Pro Yes HSIS (HIKMICRO Shutterless Image System) Image Pro 2.0 Yes System Storage Built-in Memory Module (64 GB) Record Video Yes Capture Snapshot Yes Local Album Yes Hotspot 2.4/5 G WiFi Waveband Hot Track Yes Distance Measurement Yes Power Supply Battery Type Replaceable and rechargeable 21700 battery	Frame Rate	50 Hz
NETD	Pixel Interval	12 μm
Lens (Focal Length) 35 mm, F1.0 Focus Mode Rear Focus Wheel Min. Focusing Distance 1.9 × to 15.2 × (8 ×) Field of View(H × V), Degrees / m @100 m Detection Range 1800 m Detection Range 19920 × 1080, 0.49 inch, OLED Contrast Adjustment Yes Brightness Adjustment Yes Palettes Black Hot, White Hot, Red Hot, Fusion, Red Monochrome, Green Monochrome Exit Pupil 8 mm Eye Relief 15 mm Diopter (Range) -5 D to +3 D Tone Adjustment Cold, Warm Zoom Pro Yes HSIS (HIKMICRO Shutterless Image System) Ilmage Pro 2.0 Yes System Storage Built-in Memory Module (64 GB) Record Video Yes Capture Snapshot Yes Local Album Yes Standby Mode Yes PIP Yes Hotspot 2.4/5 G WiFi Waveband Hot Track Yes Power Supply Battery Type Replaceable and rechargeable 21700 battery	Response Waveband	8 μm to 14 μm
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Exit Pupil 8 mm Eye Relief 15 mm Diopter (Range) -5 D to +3 D Tone Adjustment Cold, Warm Zoom Pro Yes HSIS (HIKMICRO Shutterless Image System) Image Pro 2.0 Yes System Storage Built-in Memory Module (64 GB) Record Video Yes Capture Snapshot Yes Local Album Yes Standby Mode Yes PIP Yes Hotspot 2.4/5 G WiFi Waveband Hot Track Yes Distance Measurement Yes Audio Recording Yes Power Supply Battery Type Replaceable and rechargeable 21700 battery	Brightness Adjustment	Yes
Eye Relief 15 mm Diopter (Range) -5 D to +3 D Tone Adjustment Cold, Warm Zoom Pro Yes HSIS (HIKMICRO Shutterless Image System) Image Pro 2.0 Yes System Storage Built-in Memory Module (64 GB) Record Video Yes Capture Snapshot Yes Local Album Yes Standby Mode Yes PIP Yes Hotspot 2.4/5 G WiFi Waveband Hot Track Yes Distance Measurement Yes Audio Recording Yes Power Supply Battery Type Replaceable and rechargeable 21700 battery	Palettes	Black Hot, White Hot, Red Hot, Fusion, Red Monochrome, Green Monochrome
Diopter (Range) -5 D to +3 D Tone Adjustment Cold, Warm Zoom Pro Yes HSIS (HIKMICRO Shutterless Image System) Image Pro 2.0 Yes System Storage Built-in Memory Module (64 GB) Record Video Yes Capture Snapshot Yes Local Album Yes Standby Mode Yes PIP Yes Hotspot 2.4/5 G WiFi Waveband Hot Track Yes Distance Measurement Yes Audio Recording Yes Power Supply Battery Type Replaceable and rechargeable 21700 battery	Exit Pupil	8 mm
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Local Album Yes Standby Mode Yes PIP Yes Hotspot 2.4/5 G WiFi Waveband Hot Track Yes Distance Measurement Yes Audio Recording Yes Power Supply Battery Type Replaceable and rechargeable 21700 battery	Record Video	Yes
Standby Mode PIP Yes Hotspot 2.4/5 G WiFi Waveband Hot Track Yes Distance Measurement Yes Audio Recording Yes Power Supply Battery Type Replaceable and rechargeable 21700 battery	Capture Snapshot	Yes
PIP Yes Hotspot 2.4/5 G WiFi Waveband Hot Track Yes Distance Measurement Yes Audio Recording Yes Power Supply Battery Type Replaceable and rechargeable 21700 battery	Local Album	Yes
Hotspot 2.4/5 G WiFi Waveband Hot Track Yes Distance Measurement Yes Audio Recording Yes Power Supply Battery Type Replaceable and rechargeable 21700 battery	Standby Mode	Yes
Hot Track Yes Distance Measurement Yes Audio Recording Yes Power Supply Battery Type Replaceable and rechargeable 21700 battery	PIP	Yes
Distance Measurement Yes Audio Recording Yes Power Supply Battery Type Replaceable and rechargeable 21700 battery	Hotspot	2.4/5 G WiFi Waveband
Audio Recording Power Supply Battery Type Replaceable and rechargeable 21700 battery	Hot Track	Yes
Power Supply Battery Type Replaceable and rechargeable 21700 battery	Distance Measurement	Yes
Battery Type Replaceable and rechargeable 21700 battery	Audio Recording	Yes
	Power Supply	
Battery Operating Time ≥6.5 h (@25°C, WiFi, Zoom Pro on)	Battery Type	Replaceable and rechargeable 21700 battery
	Battery Operating Time	≥6.5 h (@25°C, WiFi, Zoom Pro on)

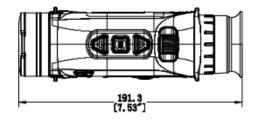
Type-C Power Supply	5 V DC, 2 A Supports External Power Supply, Support Direct Charging
General	
Work Temperature/Humidity	From -30°C to 55°C (-22°F to 131°F); Humidity: 90% or Less
Protection Level	IP67
Dimension	191.3 mm × 70.4 mm × 63.7 mm
Weight	485.5 g with Battery

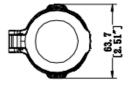
Available Model

HM-TSB6-35S2G/W1-FQ35 2.0

Dimension

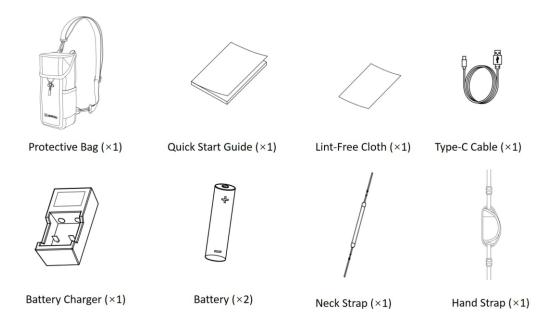






Unit: mm [Inch]

Accessories



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