



## TILO-6™

04/02/2024

### Technical Data

Front view, black - illustration similar

Back view, black - illustration similar

		Technical Data
Model		TILO-6M™
Ordernumber		380108
User group		authorities only
Microbolometer resolution		640×512 Pixel 60 Hz
Temperature resolution		<40 mK
Zoom (digital)		0,8x, 1x, 2x, 4x, 8x
Optical magnification		1x
Spectrum / Pixel pitch		7,5 –13,5 μm / 12 μm uncooled microbolometer
Sunlight sensitivity		no possible damages through sunlight
Filter modes		(Boost) White Hot, (Boost) Black Hot, (Boost) Red Hot, (Boost) Cold Red, (Boost) Cold Green, Rainbow, Rainbow HC, Iron Bow, Glow-bow, Hottest
Video output		PAL/NTSC
Display resolution		(Micro-)OLED 873×500 Pixel
Field of view		horizontal 24° / vertical 19°
Battery 1 × CR123	light only	up to 24h
	thermal only	ca. 1:45 h
Battery 2×CR123 (thermal)		ca. 4:00 h
Battery 16650 (thermal)		ca. 3:15 h
Light (three colors)		white: (boost:160 ANSI Lumen) normal 45 ANSI Lumen, red (626 nm): 24 ANSI Lumen, IR (940 nm): 15 ANSI Lumen
Flashing, SOS		yes
Brightness control		yes
Temperature range		operating: – 30° bis +60°C storage: – 40° bis +80°C
Water resistance		IP 68
Shock resistance		MIL-STD-810G 4.6.5 Procedure IV - Transit Drop (military grade)
Material		housing: Polyamid; cover eyepiece optics: hardened PMMA
Farben		olive, black (on request like other custom colors)
Dimensions (without accessories, e.g. eye cup)		length: 58 mm; width: 64 mm; height: 67 mm
Weight (without batteries)		about 128g

## TILO-6M™

TILO™ stands for „Thermal Imaging Light Optics“ and „light“ is actually the TILO in two ways. It is not only the world’s smallest thermal imaging goggle with a length of 4-6 cm and the lightest with 100 g-150 g. It is also equipped with high-performance LEDs. There is currently no comparable device with such high technical performance

in such a small design. The TILO™ was developed from the beginning as thermal imaging goggles. They can be worn on a helmet as well as on caps and headbands. Thus both hands remain constantly free. Its performance is comparable to larger hand-held systems.