



TILO™ - Series

TILO-6MA



Model	TILO-6MA™	
Order number	380109	
User group	authorities only	
Microbolometer resolution	640×512 Pixel 60Hz	
Temperature resolution	<40mK	
Radiometry	—	
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	looking directly into the sun is possible for short periods	
Filter modes	(Boost) White Hot, (Boost) Black Hot, (Boost) Red Hot, (Boost) Cold Red, (Boost) Cold Green, Rainbow, Rainbow HC, Iron Bow, Glowbow, Hottest	
Video output	PAL/NTSC	
Display resolution	(Micro-)OLED 873×500 pixel	
Field of view	horizontal 24° / vertical 19°	
Battery	light only	up to 24 h
	1 × CR123 thermal only	about 1:45 h
Battery	2 × CR123 (thermal)	about 4:00h
Battery	16650 (thermal)	about 3:15 h
Helmet Mount	adapter for ballistic helmets optional	
Head Mount	Head Mount adapter and head band optional	
Light (three colors)	white: (boost: 160 ANSI lumens) normal 45 ANSI lumens, red (626 nm): 24 ANSI lumens, IR (940 nm): 15 ANSI lumens	
Flashing, SOS	yes	
Brightness control	8 steps	
Temperature range	operation: −30° to +60°C storage: −40° to +80°C	
Water resistance	IP 68	
Shock resistance	MIL 810F 516 IV (26 drops from 1,22m / 4ft)	
Material	housing: corrosion inert aluminum; sapphire crystal eyepiece	
Dimensions (without accessories, e.g. eye cup)	length: 58 mm; width: 64 mm; height: 70 mm	
Weight	approx. 152g/5.4 oz w/o accessories	

TILO-6MA

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.