

TILO™ - Series

TILO-3Z™



		Technical Data Sheet
Model		TILO-3Z™
Order number		380103
User group		Zivile Nutzer
Microbolometer resolution		320×256 Pixel 60Hz
Temperature resolution		<60mK
Radiometry		—
Zoom (digital)		0,8x, 1x, 2x, 4x, 8x
Optical magnification		1x
Spectrum / Pixel pitch		7,5–13,5µm / 12µm ungekühlter Mikrobolometer
Sunlight sensitivity		Keine Schäden durch Sonnenlicht
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° / vertikal 19°
Battery	light only	bis zu 24h
	thermal only	ca. 3:15h
Battery 2×CR123 (thermal)		ca. 7:00h
Battery 16650 (thermal)		ca. 6:00h
Helmet Mount		Adapter für ballistische Helme optional
Head Mount		Adapter für Kopfband optional
Light (three colors)		weiß: (boost:160 ANSI Lumen) normal 45 ANSI Lumen, rot (626 nm): 24 ANSI Lumen, IR (940 nm): 15 ANSI Lumen
Flashing, SOS		ja
Brightness control		ja
Temperature range		Einsatz: -20° bis +60°C Lagerung: -40° bis +80°C
Water resistance		IP 65
Shock resistance		MIL 810F 516 IV (26 Stürze aus 1,22m)
Material		Gehäuse Polyamid; Farbe schwarz; Okularoptik aus oberflächen- gehärtetem PMMA
Dimensions (without accessories, e.g. eye cup)		Länge: 40mm; Breite: 64mm; Höhe: 67mm
Weight without batteries		ca. 100g ohne Zubehör

TILO-3Z™

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.