Andres Defence

protection for action

TigIR™

TigIR-6M™

Model	TigIR-6M™
Order number	240400
User group	military only
Temperature resolution	40mk (as special version also with 60mK)
Microbolometer resolution	640x512 (60Hz)
Zoom (digital)	0.7x/0.8x**, 1x, 2x, 4x, 6x
Focal length	55mm
Spectrum/Pixel pitch	7,5–13,5 µm / 12 µm uncooled microbolometer
FFC (calibration modes)	internal mechanical shutter (can be deactivated) + software calibration (NUC) + manual calibration via front flap
Sunlight sensitivity	harmless
Filter mode	(Boost) White Hot, (Boost) Black Hot, (Boost) Red Hot, (Boost) Cold Red, (Boost) Cold Green, Rainbow, Rainbow HC, Iron Bow, Glowbow, Hottest
Video output modes	PAL/NTSC
Display resolution	(Micro-) OLED 873x500 Pixel
FOV (at 100m)	horizontal 8°, vertical 6,4° (14,0m / 11,2m)
Angle resolution	0,0125°/0,75'/45" corresponds to 2,18 cm/px at 100m
Use as a clip-on device	for optics with an own magnification between 3-6x
Battery operating time 4xCR123	about 10:30h
2x 16650 rechargeable battery	about 8h
Temperature range	operating: –30° to +50°C storage: –40° to +80°C
Water resistance *	IP68
Shock resistance	acc. MIL-STD-810G 516.7 I (26 drops out of 1,22m/4ft)
Material	Aircraft grade aluminum (hard anodized and scratch-resistant ceramic-coated)
Dimensions (without accessories)	length: 111mm (4,37"); width: 78 mm (3,07"); height: 80 mm (3,15")
Weight (without mounts/battery)	ca. 527g/18,5 oz
Mounting options	1/4"-20 UNC tripod thread, M52x0.75
Accessories	Tripod Rail, ERATAC Picatinny Mount, Video and power cable, Video recorder

* After a heavy fall, the water resistance must be checked.
** depending on configuration

The shortest 55mm-Clip-on Thermal

The TigIR-6M™ manufactured in Germany is currently the shortest Clip-on Thermal with 55mm optics. The device is ideally suited for use in combination with 3-4x magnifying scopes. The extremely short design of only 111mm makes it possible to be mounted on machine guns, where due to the design there is only little space available for an attachment. In combination with certain scopes, such as the ELCAN Specter, the device protrudes only 10cm beyond the optics. The robust aluminum housing offers good protection against drops and ensures consistently high precision even at different environmental temperatures.