



OrcIR™

Technical Data

The OrcIR is a particularly rugged thermal imaging solution intended exclusively for use in conjunction with an external display or computer. It can be mounted directly onto FLAG systems, providing a cost-effective means of enabling night-fighting capability. The resulting g-loads have been accounted for in its robust design.



Front view - illustration similar



Back view - illustration similar

Technical Data	
Model	OrcIR™
Ordernumber	240110
User group	authorities
Microbolometer resolution	320x256 (60Hz) (640x512) upon request
Temperature resolution	60 mK (other options upon request)
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, Glow-bow, Hottest
Video output	Digital USB (PAL/NTSC upon request)
Display resolution	none
Field of view	Objective horizontal 50° / vertical 40° (other options upon request)
Power	External over USB
Temperature range	operating: – 30° bis +60°C storage: – 40° bis +80°C
Water resistance	IP 68
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 coating)
Colors	Foliage Green (other options upon request)
Dimensions (without accessories, e.g. eye cup)	length: 52 mm; width: 71 mm; height: 63 mm
Weight (without batteries)	<200 g (with mount, without cable)
Accessories	video and power cable, NATO rail mount, transport case