



JaguIR-M20™

Technical data

The JaguIR is a modified version of the PumIR thermal imaging attachment, which has been available on the market for many years. Like the PumIR, it can be equipped with a flip-to-side mount and the proven attachment lens, which increases the range to up to 4 km. The device automatically detects when the lens is mounted and automatically makes the necessary corrections to the reticle and collimation. Unlike the original device, the JaguIR can run for up to 9 hours on AA batteries.



Similar illustration

Model	JaguIR-M20™
Item number	240900
User group	Authorities only
Temperature resolution	<20mK
Zoom (digital)	1x, 2x, 3x, 4x, 8x
Sensor resolution Microbolometer	640×512 60Hz
Detection range	2.3km
Object distance	>5m
Focal length	36mm
Spectrum / Pixel pitch	7,5 –13,5 µm / 12 µm uncooled microbolometer
FFC (calibration modes)	Internal mechanical shutter (can be switched off) + Software calibration (NUC) + External calibration via front flap
Sunlight sensitivity	no
Filter modes	(Boost) White Hot, (Boost) Black Hot, (Boost) Red Hot, (Boost) Cold Red, (Boost) Cold Green
Brightness control	8 Steps
Video	digital video output USB webcam
Screen resolution	(Micro-)OLED 873x500 Pixel
Eyepiece configuration Suitable for Riflescopes with	2x magnification
Eyepiece magnification	1x
FOV (field of view) eyepiece	horizontal 12° / vertikal 9.6°
FOV (field of view) eyepiece (at 100 m)	horizontal 12° (21m) / vertikal 9.6° (16.8m)
Angular resolution (horizontal)	0.019°/0.13'/68" corresponds 3,28 cm/px auf 100m
Battery life CR123	approx. 8h (4x AA)
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Temperature range	Operating temperature: -42°C to +60°C / Storage temperature: -57°C to +80°C
Water resistance	IP 68
Impact protection	MIL-STD-810G (CHG 1) 516.6 Shock: Procedure IV – Transit Drop (26 drops from 1.22 m)
Compliance	MIL-STD-810H 501.7 High Temperature: Method 1 and Method 2 MIL-STD-810H 502.7 Low Temperature: Method 1 and Method 2 MIL-STD-810H 503.7 Method 1-D Temperature Shock MIL-STD-810H (CHG 1) 506.6 Rain: Method 1 & Method 2 & Method 3 MIL-STD-810H (CHG 1) 510.7 Sand and dust: Method 1 and Method 2 MIL-STD-810G (CHG 1) 516.6 Shock: Method 1 and Method IV MIL-STD-810H (CHG 1) 519.8 Gunfire shock: Method 2 – 7.62 x 51 mm NATO caliber (3600 J), firing rate 250 x 40 at 650–800/min, mounted on Picatinny rail
Material	Aviation aluminum with ceramic coating
Dimensions (without accessories)	L:112mm; W:72mm; H: 68mm
Weight (without accessories/battery)	<600g
Connection options	Eyepiece: M35x1 thread; bottom: 8x M3-4 for height adjustment and Picatinny mount, 1/4"-20 UNC tripod thread
Accessories (optional)	Attachment lens, plug-in eyepiece, video and power cable, tripod rail for QD mounts (e.g., ERATAC) according