



PumIR-Z20™

04/04/2024

Technical Data



Front view, black - illustration similar



Back view, olive - illustration similar

Technical Data	
Model	PumIR-Z20™
Ordernumber	240713
User group	civil users
Microbolometer resolution	640x512 (60Hz)
Temperature resolution	<40mK
Zoom (digital)	1x, 2x, 3x, 4x, 8x
for optics with an own magnification between	2x
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	PAL/NTSC
Display resolution	(Micro-)OLED 873x500 Pixel
Angle resolution	0.019°/0.13'/68" corresponds to 3,28 cm/px at 100m
Field of view Objective (at 100m)	horizontal 12° (21m) / vertical 9.6° (16.8m)
Battery 2xCR123 (thermal)	about 4:30 h
Battery 18650 (thermal)	about 8 h
Temperature range	operating: – 32° 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-coated)
Farben	Foliage Green
Dimensions (without accessories, e.g. eye cup)	length: 104 mm; width: 80 mm; height: 56 mm
Weight (without batteries)	about 300g
Zubehör	Afocal lens, observation eyepiece, video and power cables, tripod rail for QD mounts (e.g. ERATAC) according to STANAG 4694 and MILSTD-1913/STANAG 2324

The modular Talent with an extendable range of up to 4000m

To call the PumIR just the little brother of the TigIR would not do it justice. Rather, it is the modular and even smaller version of our most successful device. The excellent detection range of 2000m is unmatched by any other device of this size and weight. This is also due to the highly sensitive (20mK) sensor from FLIR USA. With the specially developed 2x afocal lens, the range can be increased even up to 4000m without leading to a significant decrease in thermal resolution. With a weight of less than 500g, this long-range combination is unreachable in its compactness. The PumIR is also available with

an reducing eyepiece optic as the .5 variant. This allows the use of scopes with a higher magnification up to 4x. The PumIR comes with all the proven features of Andres Industries devices. For example the turn on/Shut down mechanism via the front flap. As always, the button assignment is also tactically intuitive. Important functions such as zoom, brightness control and filter selection are accessed by pressing the keys directly. A new feature of the PumIR comes with the modular top platform, which gives space for special accessories, such as an Aimpoint ACRO backup sight.