

Pyroview 480N



Product Specification

| Technical data | |
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| Part number | 2102A10101 |
| Spectral range | 0.8 μm to 1.1 μm |
| Measurement temperature range | 600 °C to 1500 °C (one continuous measurement range), optional 1400 °C to 3000 °C |
| NETD ^{1,2} | < 1 K (600 °C, 25 Hz) ² |
| Field of view (HFOV \times VFOV) | 33° \times 25° |
| Sensor | highdynamic 2D-Si-CMOS array (480 \times 360 pixels) |
| Measurement uncertainty ² | 2 % of measured value in °C (object temperature < 1400 °C) ⁴ |
| Measurement frequency | approximately 25 Hz |
| Response time | approximately 80 ms |
| Interface | Ethernet RJ45 connector for data transmission (offline) |
| Display | touchscreen color display, full calibrated thermal image with center temperature or maximum temperature (hotspot) |
| Data storage | storage of single images and sequences in IRDX format for PYROSOFT Compact and Professional, storage of single images as BMP or JPG |
| Settings via touchscreen | emissivity 10 % to 100 %, center/hotspot display, color bars, display and delete images/sequences, temperature unit °C/°F, display parameter |
| Power supply | 4 lithium ion batteries á 3.7 V, 2800 mAh, rechargeable via PoE, complete recharge in approximately 4 hours |
| Weight | 0.8 kg |
| Housing | aluminium/plastics housing IP50 |
| Operating temperature of the camera | 0 °C to 50 °C (battery recharging: 0 °C to 40 °C) |
| Storage conditions | -20 °C to 70 °C, max. 95 % rel. humidity |
| Software | control and display program PYROSOFT Compact for Windows, optional PYROSOFT Professional |
| Scope of delivery | infrared camera PYROVIEW 480N portable, calibration certificate, user manual, software PYROSOFT Compact, Ethernet connection cable, PoE power pack, transport case |
| ¹ Noise equivalent temperature difference. ² Specifications for black body radiators and ambient conditions 25 °C. ³ < 6 K (2000 °C, 60 Hz). ⁴ 3 % of measured value in °C (object temperature > 1400 °C). | |