

PYROLINE 128N/256Hz *protection*

Spectral range ⁽⁴⁾	1.4 µm to 1.8 µm		
Measurement temperature range ⁽¹⁾	600 °C to 1300 °C		
Sensor	Uncooled pyroelectric linear array (128 pixels)		
Lens with motor-driven or manual focusing ⁽¹⁾	focal length	Field of view (FOV)	Measurement distance
Standard	12 mm	60° × 0.5°	> 100 cm
Option	19 mm	40° × 0.3°	> 50 cm
Option	37 mm	20° × 0.2°	> 50 cm
motor-driven focusing	yes		
Measurement uncertainty ⁽²⁾	1 K + 1 % of measured value in °C		
Temperature drift ⁽²⁾	0.1 % (of the measured value in °C) / K(T _A)		
Noise equivalent temperature difference ⁽²⁾	< 1 K (32 Hz), < 3 K (256 Hz)		
Frame rate (Measurement frequency)	internal 256 Hz, selectable: 256 Hz, 128 Hz, 64 Hz, 32 Hz, ...		
Response time	internal 8 ms, selectable: 2 / Measurement frequency		
Interface ⁽³⁾	Gigabit or Fast Ethernet (real-time, 50 Hz max) electrically isolated digital inputs and digital outputs		
Signal processing	internal (digital signal processor) Operation possible with or without PC (stand-alone)		
Connectors	Round plug connector with screw connection M23 / RC16 (16 pin, power supply, digital inputs and outputs) Round plug connector M12-A (8 pin, Ethernet) Water tube (nominal width 9 mm, max. 6 bar) Compressed air tube (nominal width 6 mm, max. 2 bar)		
Weight	appr. 4.2 kg		
Power supply	12 V to 36 V DC, typical 7 ... 10 VA		
Housing variant	<i>protection</i>		
Camera housing	Industry housing IP65 " <i>protection</i> ": stainless steel, with air purge unit and water cooling, with 1/4 inch tripod screw mount		
Camera operating temperature ⁽⁵⁾ (internal instrument temperature)	-10 °C to 55 °C		(typical ambient temperature: -10 °C to 50 °C without water-cooling -25 °C to 150 °C with water-cooling)
Storage conditions	-20 °C to 70 °C, relative humidity: max. 95 %		
Software	PC control and display software PYROSOFT for Windows® customisation on request		

⁽¹⁾ Others on request

⁽²⁾ Specification for black body reference, ambient temperature 25 °C

⁽³⁾ Dependent on configuration

⁽⁴⁾ 5 % cut-on/cut-off

⁽⁵⁾ see chapter "Operating temperature range" in the "Operating Instructions" of the camera