



HIKMICRO

PD230 Pyrometer



▪ Features

- Temperature measurement range: 700°C~3200°C(1292°F~5792°F)
- Accuracy: up to $\pm(0.5\% \cdot T_{mea} + 2)^{\circ}\text{C}$ or $\pm(0.5\% \cdot T_{mea} + 3.6)^{\circ}\text{F}$, T_{mea} means "Current measured temperature"
- Resolution: 0.1°C/0.18°F
- Repeatability: up to $\pm(0.3\% \cdot T_{mea} + 1)^{\circ}\text{C}$ or $\pm(0.3\% \cdot T_{mea} + 1.8)^{\circ}\text{F}$, T_{mea} means "Current measured temperature"
- Optical Resolution (D:S): 200:1(95% energy)
- Spot Size: 1.5mm
- Focus Range: 0.3m~INF
- Protection Level: IP66
- Sighting: Visual display

▪ Specification

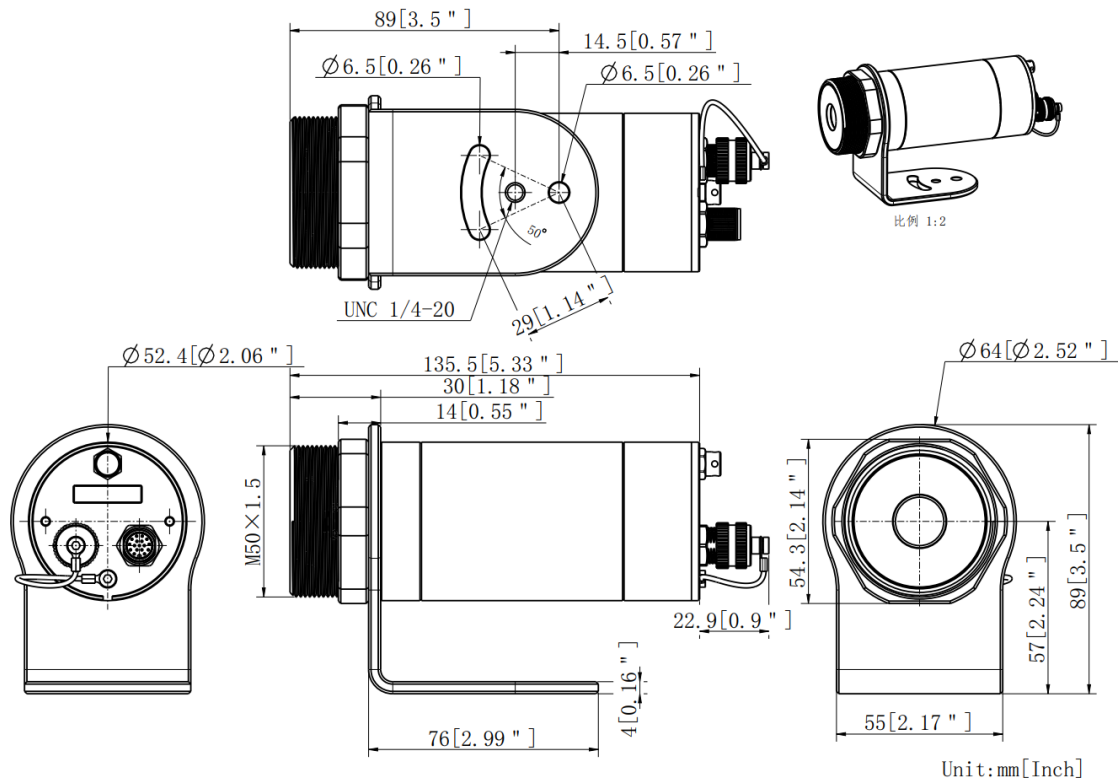
Measurement Specifications	
Spectral Response	0.8μm ~ 1.08μm (Two-Color)
Temperature Range	700°C~3200°C(1292°F~5792°F)
Accuracy	± (0.5%*T _{mea} +2) °C / ± (0.5%*T _{mea} +3.6) °F *At ambient temperature 23 ± 5°C *ε=1; response time 100 ms; no attenuation *T _{mea} means "Current measured temperature"
Resolution	0.1°C/0.18°F
Repeatability	± (0.3%*T _{mea} +1) °C / ± (0.3%*T _{mea} +1.8) °F *At ambient temperature 23 ± 5°C *ε=1; response time 100 ms; no attenuation *T _{mea} means "Current measured temperature"
Optical Resolution (D:S)	200:1(95% energy)
Spot Size	1.5mm
Response Time	10ms
Slope	0.850 ~ 1.150
Emissivity	0.100 ~ 1.100
Sighting	Visual display
Signal Processing	Averaging mode, temperature filter mode, peak/valley hold mode
Focus Range	0.3m~INF
Visual	
Field of View (FOV)	7° x 5.5°
Optical Resolution	1728*1296
Data Communication	
Analog Output	Supports proportional output, 16-bit resolution, max load 600Ω - Interface: 4-20mA - Output Types: 4-20mA/0-20mA
Digital Output	RS485, Modbus RTU, Modbus TCP, I/O
Alarm Output	Support temperature alarm, ambient temperature alarm, dirt alarm, FSMC alarm, 4-20mA alarm, relay alarm, I/O alarm
Protocols	TCP/IP
General	
Power Supply	DC 10~30V
Power Consumption	Max 5W
Display	OLCD screen, resolution 128*32
Laser	No
Protection Level	IP66
Working Temperature Range	- Without cooling: 0°C to +65°C (32°F to +149°F) - With air & water cooling accessories: 0°C to +300°C (32°F to +572°F)
Storage Temperature Range	-20°C to 70°C (-4°F to +158°F)
Relative Humidity	< 95% non-condensing
Vibration	1 g, IEC 60068-2-6
Shock	15 g, IEC 60068-2-27

Dimension	φ52.4 x 148.7mm (φ2.06 x 5.85in)
Weight	680g(1.5 lb)
Warranty	5 years for the full product

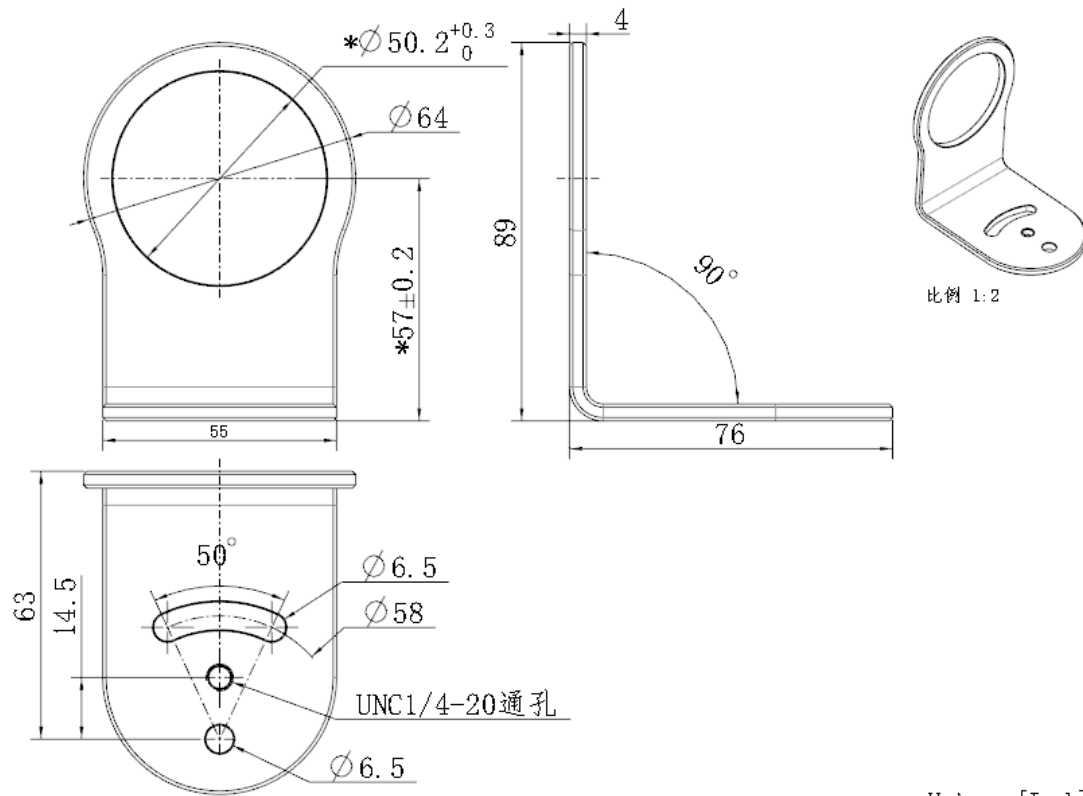
- **Available Model**

HM-P20D10-7032-F4/V

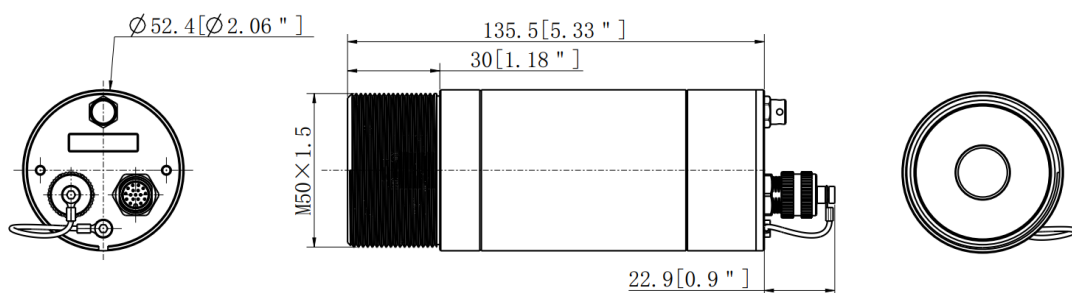
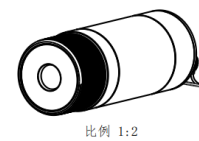
- **Dimension**



Unit:mm[Inch]



Unit:mm [Inch]



Unit:mm [Inch]

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