PD220
Pyrometer



Features

- Temperature measurement range: 300°C ~1600°C (572°F~2912°F)
- Accuracy: up to ±(0.5%*Tmea+2) °C or ±(0.5%*Tmea+3.6)°F , Tmea means "Current measured temperature"
- Resolution: 0.1°C /0.18°F
- Repeatability: up to ±(0.3%*Tmea+1) °C or ±(0.3%*Tmea+1.8)°F , Tmea means "Current measured temperature"
- Optical Resolution (D:S): 100:1(90% energy)
- Spot Size: 3mm
- Focus Range: 0.3m~INF
- Protection Level: IP66
- Sighting: Visual display

▪ Specification

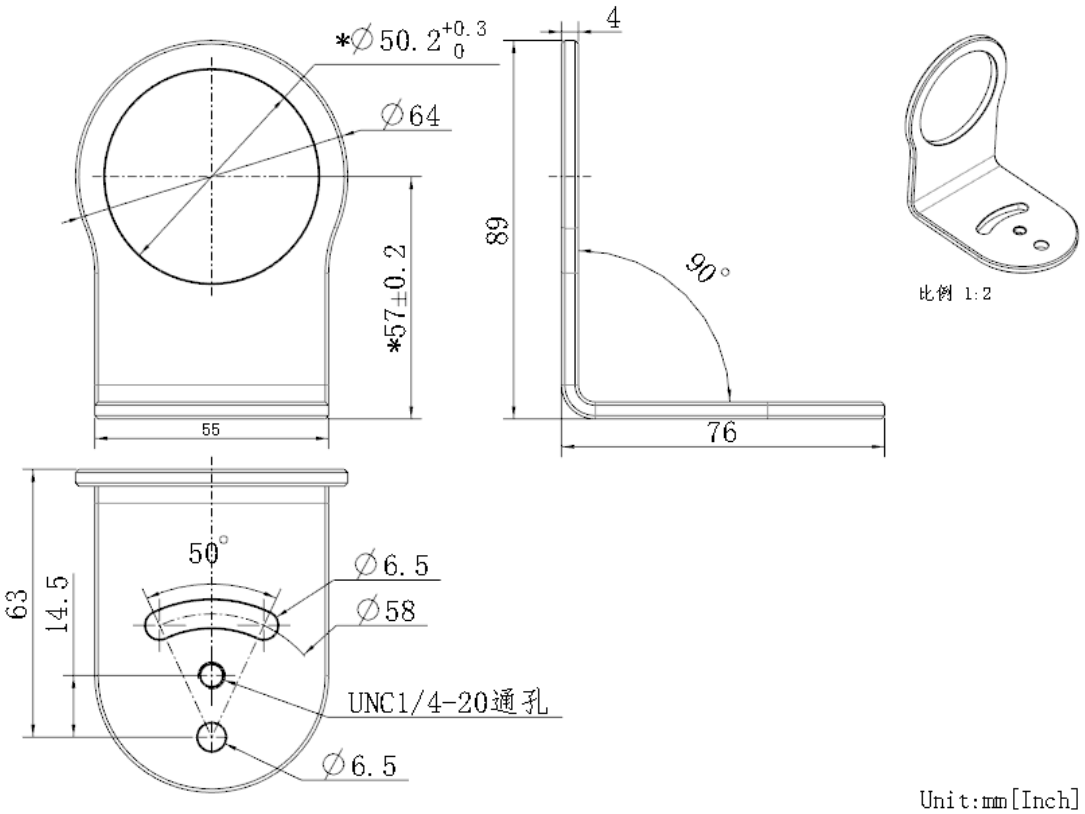
Measurement Specifications	
Spectral Response	1.3μm ~ 1.7μm (Two-Color)
Temperature Range	300°C ~1600°C (572°F~2912°F)
Accuracy	400-1600°C：± (0.5%*Tmea+2) °C /752-2912°F：± (0.5%*Tmea+3.6) °F, 300-400°C：± (2%*Tmea+2) °C /572-752°F：± (2%*Tmea+3.6) °F *At ambient temperature 23 ± 5°C *ε=1; response time 100 ms; no attenuation *Tmea means "Current measured temperature"
Resolution	0.1°C /0.18°F
Repeatability	400-1600°C：± (0.3%*Tmea+1) °C / 752-2912°F：± (0.3%*Tmea+1.8) °F , 300-400°C：± (1%*Tmea+1) °C / 572-752°F：± (1%*Tmea+1.8) °F *At ambient temperature 23 ± 5°C *ε=1; response time 100 ms; no attenuation *Tmea means "Current measured temperature"
Optical Resolution (D:S)	100:1 (90% energy)
Spot Size	3mm
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)

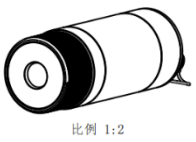
▪ Available Model

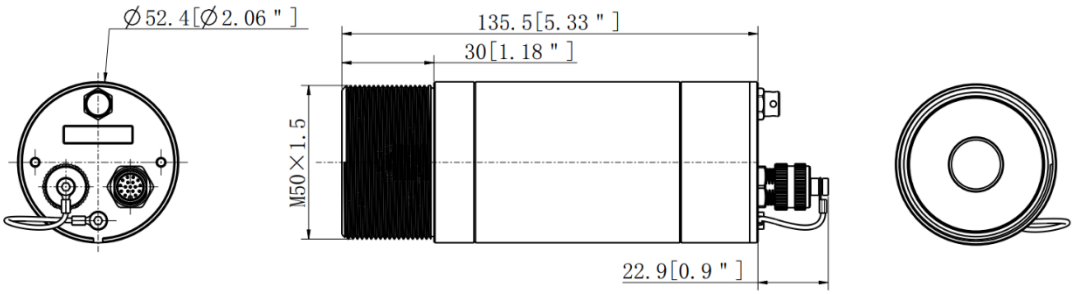
HM-P20D17-3016-F4/V

▪ Dimension

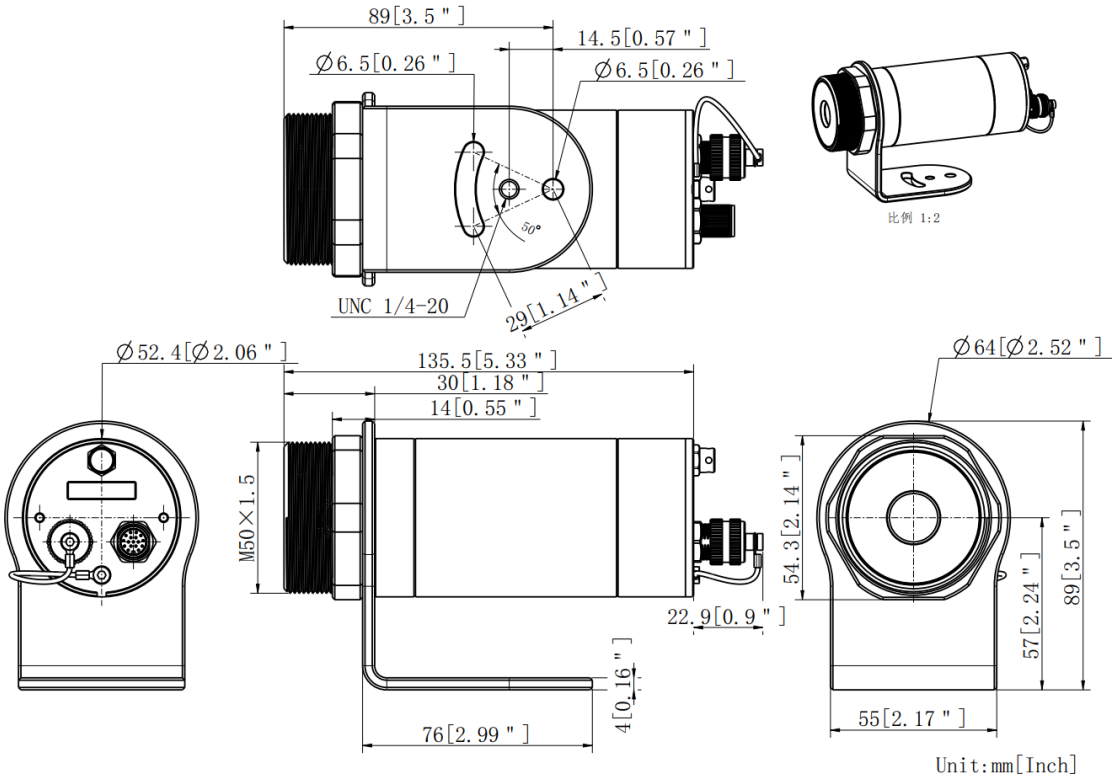


Unit:mm[Inch]





Unit:mm[Inch]



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*Note: Specifications are subject to change without notice. For the current specs, please go to www.hikmicrotech.com