

온도측정 열화상카메라/시스템

CN80

주요특징



온도 측정 시스템

정밀 측정(영상&온도)용 열화상 카메라
온도 오차범위 $\pm 2^{\circ}\text{C}$ or 2%(@ $10^{\circ}\text{C}\sim 40^{\circ}\text{C}$ amb)

순수 국산 기술 개발/제조

렌즈/전자모듈/하우징/소프트웨어
손쉬운 설치와 편리한 운용 S/W 제공
표준 삼각대 설치 및 일반 노트북 활용 가능

주요 응용처

변압기, 배전반, 비상발전시설/환풍구,
창고, 데이터센터, 쓰레기/폐기물소각장,

지하공동구/맨홀,케이블, 냉난방 설비

사양

FOCAL PLANE ARRAY

Detector Type	a-Si Microbolometer
Array Size	80x80
Pixel Pitch	34 μm
Spectral Band	8~14 μm
Sensitivity(NETD)	<100mk@50Hz, F/1, <300mk

Noise Equivalent Temperature Difference

FEATURES

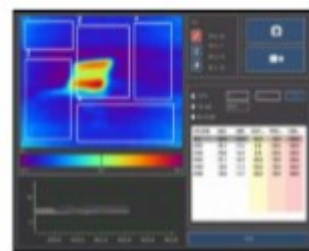
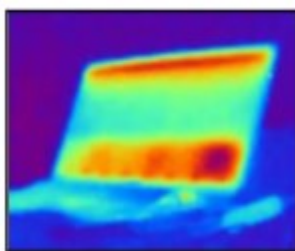
Available command Protocols	IP, ARP, ICMP, SNMP
Alarm	DC 5V Wet Contact
Color	Color Palette (6color/Black&White)
Temperature Out	All points
Stable Time for Temperature out	<1.5minutes
Target Temp. Range	0°C to +200°C(Basic), Max.400°C(Optional)

Temperature in wonder!!

System NETD	0.1 °C
Radiometric Accuracy	±2°C or ±2%(0°C to +200°C)

THERMAL IMAGE FORMAT

Detector Frame Rates	30 fps.
Ethernet	10/100 Based-T(RJ-45Connector)
Interface	IP Network
Data Streaming	Real Time Temperature Data
Automatic Gain and Level	AUTO
Display mode	64 channels
Non-Uniformity Correction	2-point Correction
Time to First Image	<2.0 Seconds (After Network Connection)



ENVIRONMENTAL

Operating Temp.	-10°C to +50°C
Humidity	5 to 95%, non-condensing (optional)
Degree of Protection	IP 66

OPTICS

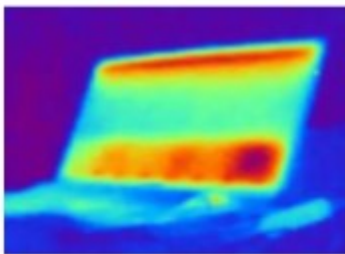
Horizontal FOV	21°,58°,90°
Lens Type	Athermalized
Effective Focal Length	1.8mm(FOV90°),2.71mm(FOV58°) 6.7mm(FOV21°)
F number	1.3(FOV90°),1.4(FOV 58°), 1.2(FOV21°)

MECHANICAL

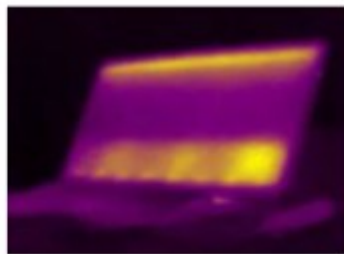
Dimensions(H x W x D)	48x48x66mm (W/O Bracket&Cable)
Weight with lens	200g
Data Cable	CAT5 or Higher(CAT5E.CAT6)

POWER

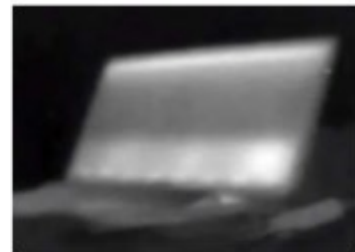
Input Voltage	DC 5V, 1A
Power Consumption (nominal)	<2.5W (Max.)



[Rainbow]



[Magenta]



[Gray]