Stationary On-line Monitoring System

Integrated with high resolution detector and advanced infrared thermal imaging technology, IR239 stationary on-line monitoring system is specially designed for electrical predictive maintenance application. Featured with rugged housing, advanced image processing technology, and powerful analysis software, IR239 can offer 24/7 continuous non-contact temperature monitoring in rigorous environment. It is a cost saving equipment for daily inspection to bring down the accident frequency of transformer substations.

Features and Benefits

- Rugged and compact design

- 24/7 continuous monitoring

- Gigabit Ethernet interface for network

- Intelligent control software

Applications

Continuous real-time monitoring on power equipments, such as the main transformer, GIS, high voltage switch cabinet in large substation, provide unmanned remote inspection to avoid accidents caused by failures or breakdown of the above-mentioned equipments.

Specifications

Imaging Performance	
Detector Type	Microbolometer UFPA (384×288 pixels, 25μm)
Spectral range	8~14μm
Thermal Sensitivity	≤0.08℃

Lens	
Field of View	13.7° ×10.3°
Focus	40mm, F0.85
Focusing	Motorized manual / Auto focus

Measurement	
Temperature Range	-10℃～+350℃
Accuracy	±2℃ or ±2% of reading
Measurement functions	50 preset positions, 6 Areas (Box, max/min, average/position), Reference temperature, Temperature Difference
Alarm functions	High temperature alarm

Ethernet	
Ethernet, type	1000Mbps
Ethernet, protocols	TCP/IP

Composite Video	
Video output	50HZ PAL

Pan/tilt	
Azimuth Angle	0～355°
Pitching Angle	-60° ～ +10°

Power system	
Power Requirement	AC220V 50Hz/ DC24V
Power Consumption	≤9.0W

Environment	
Operating Temperature	-20℃～+50℃
Storage Temperature	-40℃～+60℃
Shield	YES
Encapsulation	IP54
Shock	25g，IEC68-2-29
Vibration	2g，IEC68-2-6

GUIDE