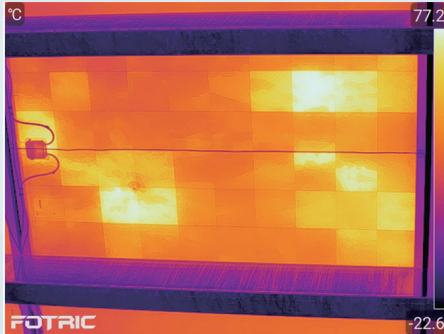


Applications of Infrared Imaging in the Photovoltaic Industry

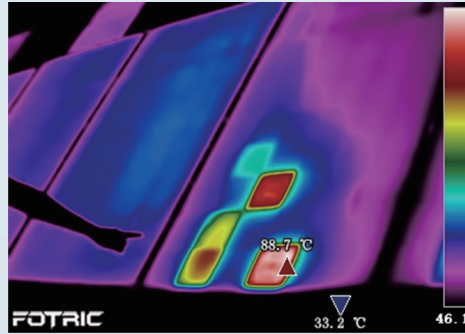
Up to
1280*1024
IR Resolution

Up to
±1°C
Accuracy

Up to
-20°C~2000°C
Temperature Range



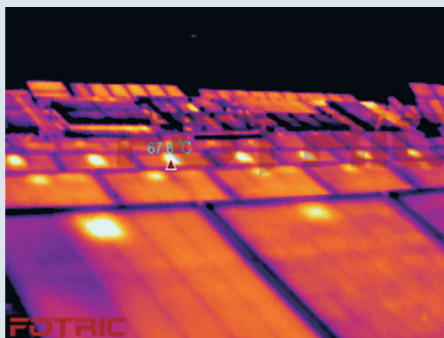
Hotspot Detection



Cell Performance Evaluation



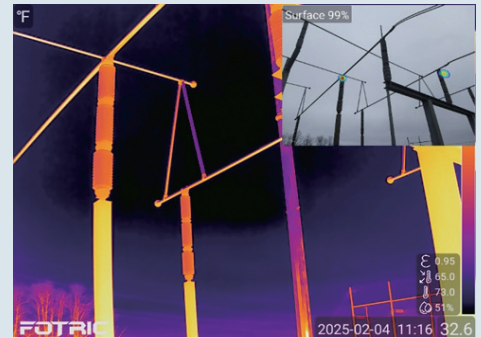
Inverter and Junction Box Monitoring



Thermal Management Assessment



Battery Energy Storage System (BESS)
Thermal Runaway Early Warning



Partial Discharge Detection for
Transmission Line

Selection Guide

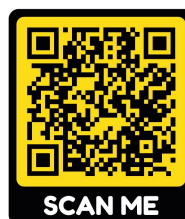


Specifications	Premium			Advanced		Compact	
Model	P9	P7	P5	V7	V5	C5	C2
Infrared Resolution	1280x1024	640x480	384x288	640x480	384x288	384x288	160x120
Super Resolution	Yes			Yes		Yes	Yes
Remote Control Function	Yes			Yes		Yes	Yes
Thermal Sensitivity(NETD)	< 0.03°C (30mk)@30°C (86 °F)		< 0.04°C	< 0.03°C	< 0.04°C	< 0.04°C	< 0.05°C
Accuracy	± 1°C or ± 1 %, whichever is greater (ambient temp at 25°C , temperature range 0°C -100°C), ± 2°C or ± 2 % for other temperature range		±2°C or 2%, whichever is greater (at 25°C ambient temperature)	±2°C or 2% , whichever is greater (at 25°C ambient temperature)		±2°C or 2% , whichever is greater (at 25°C ambient temperature)	
Temperature Range	-20°C ~ 120°C , 0°C ~ 700°C , 300°C ~ 2000°C		-20°C ~ 120°C , 0°C ~ 700°C , 300°C ~ 1550°C	-20°C ~ 1550°C		-20°C ~ 120°C , 0°C ~ 650°C	-20°C ~ 120°C , 0°C ~ 550°C
Field of View(FOV)	25° x 19°			25° x 19°		49° x 37°	46° x 35°
Focus Mode	Manual focus+ thermal contrast/laser-assisted AF; Continuous AF; Touch AF			Manual focus+ thermal contrast/ laser-assisted AF; Continuous AF; Touch AF		Focus free+Manual focus	Manual focus
Alternative Lenses	46° ; 12° ; 7°	46° ; 12° ; 7° ; 25°/12° dual-view lens; 25°/7° dual-view lens	46° ; 15° ; 7° 25°/12° dual-view lens	44° ; 12° ; 7°		——	——
Display	5 inch			5 inch		3.5 inch	
ROIs	Spot: 30; Line: 30; Rectangle/Circle: 30	Spot: 25; Line: 25 ; Rectangle/ Circle: 25	Spot: 20; Line: 20 ; Rectangle/Circle: 20	Spot: 16; Line: 8 ; Rectangle/Circle: 12		Spot: 10; Line: 2; Rectangle/Circle: 8	Spot: 6; Line: 1; Rectangle/Circle: 6
On-Device Analysis	Yes			Yes		Yes	
Connectivity	USB to USB-C cable; HDMI to Micro HDMI cable; Bluetooth; WLAN; Hotspot; FTP Transfer; Web service(IExplorer)						
Video Format	MP4; Radiometric			MP4; Radiometric		MP4; Radiometric	
Laser	Yes, as ranger and measurement tool			Yes, as ranger and measurement tool		Yes, as pointer	
Palettes	16 standard+16 inverted			16 standard+16 inverted		8 Standard+8 Inverted	
Storage Memory	SD card, 256 GB	SD card, 128 GB	SD card, 64 GB	SD card, 128 GB	SD card, 128 GB	TF card, 64 GB	TF card, 64 GB

SERVICE & SUPPORT CARD

NEO Messtechnik GmbH
Hauptstrasse 7 (Büro) / Sonnweg 4
2871 Zöbern
Austria

T: +43 2642 20301
support@neo-messtechnik.com
www.neo-messtechnik.com



Download-Area for Software, User Manuals, Technical Manuals:
www.neo-messtechnik.com/en/downloads

Training Videos:
www.youtube.com/@neomesstechnik0208

Supportticket:
neomesstechnikgmbh.freshdesk.com/support/tickets/new

