

MS640

MULTI-SPECTRAL CORONA DETECTION CAMERA



The MS640 Multi-Spectral Camera combines UV corona detection, high-resolution thermal imaging, and clear visual capture in a single, rugged, field-ready platform.

Designed for power utilities and industrial maintenance teams, it delivers precise defect positioning, high UV sensitivity, and 640×480 IR resolution for accurate temperature diagnostics from –20°C to 600°C.

Its ergonomic design, 5-inch sunlight-readable LCD, long battery life, and multiple display modes (UV, IR, Visible, or combined) make inspections faster, clearer, and more reliable. With robust storage, auto-focus, and durable construction, the MS640 provides a powerful all-in-one solution for detecting corona discharge, identifying hotspots, and documenting equipment condition with confidence.

Key Features

- High Sensitive UV Sensor
- Precise Defects Positioning
- Ergonomic Design
- Rugged Reliable
- High Pixels IR Sensor 640*480 pixels
- No tailing, pinpointing for precise positioning
- More than 3 hours of battery operation
- 5 inch Large deluxe reflective LCD
- Adjustable UV gain from 0-100%

MS640 Specifications

UV	
Spectral Range	240 to 280nm
Minimum Discharge Sensitivity	1.0pC @10m
Minimum RIV Sensitivity	3.6dMμV (RIV) @10m
Minimum UV Sensitivity	2.0*10 ⁻¹⁸ Watt/cm ²
Focus & Focus Range	Auto, 1.5m to ∞, UV integral function: X2, X4, X8, X16
F.O.V	10.0 * 8.0°
VISUAL	
Focus & Focus Range	Auto, 1.5m to ∞
Minimum Visible Light Sensitivity	0.1 Lux
Zoom	10x optical, 12x digital
IR	
Resolution	640x480
Temp Range	-20 - 600°C
Accuracy	±2°C/± 2%
Display Modes	Combine (UV+VIS/UV+VIS/UV+IR+VIS), UV only, IR only, Visible only
Display Type	5.7 inch color Transflective Sunlight readable touch LCD, 720x576
Display Brightness and Resolution	800cd/m ²
CONTROLS AND OPERATION	
Status Modes	Real time, sleep, power off
Continuous Operation	Continuous operation, no cooling system
IMAGE STORAGE	
Image	Support
Video	Support

Storage Media	64G TF Card
Image Format	.JPG
Video Format	MP4
POWER	
Battery Type	Rechargeable battery
Working hours	≥ 2 hours
Consumption	DC14.8V, 18.5W
ENVIRONMENTAL	
Storage Temp	-20°C to +70°C
Operation Temp	-20°C to +55°C
PHYICAL PARAMETERS	
Dimensions	229 x 137x 105 mm
Weight	2.8kg

