



Calamba Water District

Lakeview Subdivision, Halang, Calamba, Laguna
Tel. Nos. 545-2863, 545-1614, 545-7896, 545-1389
Tel./Fax. (049) 545-9752

THERMAL SCANNER

SPECIFICATION

Key Features

IFOV (spatial resolution)	7.6 mRad
Infrared resolution	120 x 90 (10,800pixels)
Field of view	50° H x 38° V
Distance to spot	130:1
Temperature measurement range (not calibrated below -10 °C)	-20 ° C to 150 ° C
Focus system	Fixed focus, minimum focus distance 22.8 cm
USB	Mini USB used to transfer image to PC
Wifi	Yes Yes, connect your camera to your building's WiFi network, and images taken automatically upload to the cloud system or your local server for storage and viewing on your PC (802.11 bgn (2.4 GHz))
Instant Upload	

Image quality

IR-Fusion technology	Yes, adds the context of the visible details to your infrared image
AutoBlend mode	Continuous 0% to 100%
Touchscreen display	3.5" (landscape), 320 x 240 LCD
Rugged, ergonomic design	Yes
Thermal sensitivity (NETD)	60 mK
Frame rate 9 Hz	

Data storage and image capture

Memory	≥ 2 GB internal flash memory
Image capture, review, save mechanism	One-handed image capture, review, and save capability
Image file formats	Non-radiometric (jpeg), or fully radiometric (.is2); no analysis software required for non-radiometric (jpeg) files
Software	desktop software—full analysis and reporting software with access to the Connect system
Export file formats with software	JPG, IS2
Measurement Range	-20 °C~150 °C

Battery

Batteries (rechargeable)	Internal rechargeable lithium ion battery.
Battery life	≥ 2 hours continuous (without WiFi)
Battery charging time	≤ 1.5 hours
Battery charging system	Micro USB cord from product to PC
AC operation	With separate AC to USB adapter. Not included in box

Power saving

Automatic Shutdown:

5, 10, 15 and 20 minutes or never

Temperature measurement

Temperature measurement range
(not calibrated below -10 °C)

-20 ° C to 150 ° C

Accuracy

Target temp at or over 0 °C: Accuracy: ± 2° C or ± 2 %

On-screen emissivity correction

Yes

On-screen reflected background temperature compensation

Yes

Color palettes

Standard palettes

6: Ironbow, Blue-Red, High Contrast, Amber, Hot Metal, Grayscale

GENERAL SPECIFICATIONS

Color alarms (temperature alarms)

High temperature, low temperature, and isotherms
(within range)

Infrared spectral band

8 µm to 14 µm (long wave)

Operating Temperature

-10 °C to +50 °C (14 °F to 122 °F)

Storage Temperature

-40 °C to +70 °C (-40 °F to 158 °F)

Relative humidity

95 % non-condensing

Center-point temperature

Yes

Spot temperature

Hot and cold spot markers

Safety

EN 61010-1: CAT none, pollution degree 2, EN 60825-1:
Class 2, EN60529, EN 62133 (lithium battery)

Electromagnetic compatibility

EN301 489-1 V2.1.1 EN301489-17 V3.1.1

US FCC

CFR, Part 15C

Vibration and shock

2G, IEC 68-2-6 and 25G, IEC 68-2-29

Drop

1 meter

Size (H x W x L)

8.9cm x 12.7cm x 2.5cm (3.5 in x 5.0 in x 1.0 in)

Weight

0.233kg (0.514lb)

Enclosure rating

IP54

Warranty

Two-years

Prepared by:



Pedro M. Estalar

Sr. Water Utilities Mngt. Officer

Certified True and Correct:

MA. CARMELA M. ELEPAÑO

OIC-Department Manager C.

Production Department