

DL801/2-M

THERMAL IMAGER




DL801/2-M


THERMAL IMAGER

- High-precision resolution, 640×480/1024×768 detector, can up to a superpixel 1280×960/2048×1536
- Intelligent diagnosis, realize intelligent shooting and diagnosis according to preset inspection tasks.
- 5-inch high-definition touch LCD screen, and 180° rotatable lens.
- With a compass, laser ranging, GPS, Bluetooth, Wi-Fi transmission.

amperis

www.amperis.com

 AMPERIS PRODUCTS S.L
Maria Barbeito, 14
27003, Lugo, Spain

 **Contact**
+T [+34] 982 20 99 20
info@amperis.com | www.amperis.com

Items	DL801-M	DL802-M
Type	Uncooled FPA	
Resolution	640×480	1024×768

IMAGE

FOV	25°×19°	28.7°×21.7°
Spatial resolution	0.67mrad	0.49mrad
NETD	0.03°C@30°C	
Frame rate	60Hz	
Focal	Automatic/manual focus/electric focus/touch screen	
Spectral range	7~14um	
Visual camera built-in	8MP, CMOS module, built-in LED fill light	
Zoom	1~40times continuous digital zoom	
Super pixel	1280×960	2048×1536

IMAGE DISPLAY

LCD display	5-inch color LCD capacitive touch screen	
Viewfinder	HD 0.5" color OLED	
Image display	Full screen switching of infrared or visible light, picture in picture, thermal overlay, dual band fusion image	
Palette	11 kinds of palettes to choose from (including iron red, rainbow, black and white, black and white reverse, etc.)	
Image Processing	Automatic/manual adjustment of contrast and brightness, automatic enhancement mode	

MEASUREMENT

Temperature measurement range	-40°C- +650° C, can be extended to 1200°C or 1500°C	-40°C- +650° C, can be extended to 1200°C or 2000°C
Precision	±1°C or ±1% (0~150° C) ±2°C or ±2% (Within range)	
Temperature measurement correction	Automatic / manual	
Measurement mode	Real-time 10 movable points, 10 movable areas (highest temperature, lowest temperature capture, average temperature measurement), movable line temperature measurement, isothermal analysis, temperature difference measurement, temperature alarm (sound, color)	
Setting	Date/time, temperature unit °C/ /K, language, contrast/brightness, LCD backlight	
Emissivity correction	The emissivity is adjustable from 0.01 to 1.0 (in increments of 0.01), or corrected using a predefined substance emissivity meter	

Background temperature correction	Automatic, according to the input background temperature
Atmospheric window correction	Yes, adjustable
Atmospheric transmittance correction	Automatic, according to the input target distance, relative humidity, ambient temperature

STORAGE

Storage card	Built-in 128G memory and external 32G SD card (expandable)
Storage method	Manual/automatic photo or video
Infrared image format	JPEG and DLV format, with infrared raw measurement data image; MPEG4 format, video recording.
Visible light image format	JPEG / DLV /MPEG4 format
Voice notes	60 seconds of voice recording, stored along with the image (built-in microphone, can be recorded and played via Bluetooth)
Text annotation	Yes, can be predefined
Sketch Notes	Yes

OTHER SETTINGS

Laser	Laser ranging
GPS	Yes
Electronic compass	Yes
Microphone	Yes
Buzzer	Yes
Fill light	2 LED

POWER SYSTEM

Battery Type	Lithium battery, rechargeable
Battery working time	3 hours continuous work
Charging type	Smart charger charging or random (AC power adapter or 12V in-car power supply) charging
Power saving mode	Automatic sleep and shutdown

ENVIRONMENT

Working temp.	-15°C-+50°C
Storage temp.	-40°C-+70°C
Humidity	95% (non-condensing)
Encapsulation	IP54
Shock resistance	30G, IEC68-2-27
Vibration resistance	2G, IEC68-2-6
EMC	GB/T 18268.1-2010

PHYSICAL CHARACTERISTIC

Weight	≤1.65Kg(Including battery and standard lens)
Dimension	225mm×145mm×100mm
Tripod	1/4"-20-UNC

INTERFACE

Power supply	Yes , DC 12V
Memory card slot	SD card holder
USB	Yes, Mini-USB Type C, can transmit raw data video stream for real-time analysis
Wifi	Yes
Bluetooth	Yes
Video output	HDMI



amperis