

Clifton Cameras Product Specification

Pulsar Merger Duo NXP50 Full Spec

Thermal Sensor	640×480, 17μm, <25mK NETD uncooled, microbolometric
Digital Sensor	1920×1200 Full-HD CMOS
Frame Rate	50 Hz
Objective Lens	50mm f1.0 (thermal) 50mm f1.4 (digital)
Magnification	3-24x (thermal) 1.5-12x (digital)
FOV	12.4×9.3 / 21.8×16.4 (thermal channel on minimal magnification) 21.1×16.3 / 16.4×12.3 (digital channel on minimal magnification)
Eye Relief	12 mm
Display	1280×960 HD AMOLED
IR Illuminator	Emitter: LED IR Wavelength: 940 nm IR Optical Power: 500 mW Beam Divergence (Degree): ≥ FOV IR Spot Position Adjustment: Yes
Detection Range	1800m (thermal)
Video Recorder	Yes, with sound
Video Resolution	1280×960
Video / Photo Format	.mp4/.jpg
Wireless Protocol	Wi-Fi
Wireless Standard	IEEE 802.11 b/g/n/ac (WPA)
Frequency	2.4 / 5 GHz
Degree of Protection	IPX7 (waterproof)
Operating Temperature Range	-25 to +50°
Output Voltage	3.0 to 4.2 V
Battery Type	Dual Li-Ion power system: APS 3 changeable battery (3.2 A·h) and built-in battery pack (4.0 A·h)
Battery Capacity	3200 mAh (external) & 4000 mAh (internal)
Operating Time	7.5 hours (at t=22°)
External Power Supply	5V, 9V (USB Type-C Power Delivery)
Body Material	Magnesium alloy
Dimensions	207x140x73 mm



Weight

1200 g (with batteries)