

LPT-10

Mobile Thermal Imaging Camera

Heat Enhanced Low-light Imaging Observation System



Lahoux *Optics*
Specialist in nightvision

LPT-10 Specification

The **LPT-10** is a high resolution thermal imaging system that allows the user to see in total darkness. Utilizing a 320 x 240 resolution the system can easily see man sized targets from over 450 meters. The thermal core uses long infrared sensor technology and can easily see through light smoke, fog, rain and many other atmospheric conditions that could not easily be penetrated with other technologies.

The **LPT-10** features remote positioning, offering 370° rotation and 135° tilt. The units are available with either a joystick style wired remote or a wireless remote package. The RF wireless remote controls can be programmed to your desired frequency for uninterrupted use with one or multiple systems. The unit is easily mounted using an innovative mounting plate with under-locking interface, a simple two step mounting process. The pan/tilt enclosure uses high torque motors with encased metal gears for years of trouble free operation. Quick detach cables allow for easy removal from the vehicle in minutes.

The **LPT-10** is composed of a weatherproof housing that is UV and salt water resistant for both land and sea applications. The entire system operates on a 12v DC platform and is ideally suited for vehicles and watercraft.

Whether used for Law Enforcement, First Responders or Surveillance and Security applications, the **LPT-10** is the product of choice based on price and performance. Next to the ability to find people in distress or suspects, and suspect vehicles around a crime scene, the **LPT-10** can also aid with safer driving.

Also available in white.

Thermal Imaging Performance	
Sensor Type	Uncooled Microbolometer
Field of View	36°x27° (hxv)
Spectral range	8~14 µm Long Wave Infrared (LWIR)
Resolution	320x240
Time to Image	< 2 sec
Focal length	19 mm
Housing Enclosure	
Pan/Tilt	370° Rotation - 135° Tilt
Speed	Fast/Slow
Operation	Wired/Wireless Remote Control Options
Output	
Video	PAL or NTSC
Connector types	Power (+/-) Video BNC-RCA
Frame rate	30-Hz for NTSC Video 25 Hz for PAL video < 9 Hz Export Compliant
Environmental Parameters	
Operating temperature	-40 to +85 °C
Impact protection	High-impact resistant window with heating element
Weather Resistance	Hermetically sealed, pressurized enclosure
Power System	
Power	12V DC nominal (range 6V/ 16V DC)
Power Consumption	2 Watts (nominal) 8 Watts with heater turned on
Physical Characteristics	
Mounting Points	3 Screws
Weight	1814 g
Dimensions	170x184x200mm

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