IR3 Infrared Zoom Spotlight

Ultra-visual distance surveillance fill-in light

IR3 Infrared Zoom Spotlight is equipped with a high-performance laser, with a maximum light output power of up to 4W. The light angle can be smoothly adjusted between 2.0° to 70°, enabling easy switching between spotlight and floodlight. The maximum infrared fill light distance exceeds 300 meters, offering improved observation in dark environments.

The IR3 is controlled via the DJI Pilot 2 to turn the light on/off, adjust brightness, and modify the light angle. It can also automatically follow the rotation of the gimbal camera. Equipped with an E-port quick-release connector, it is compatible with DJI’s Matrice 30 series drones. This provides users in fields such as reconnaissance, search and rescue, and inspection with superior night vision beyond human sight.

Product Advantages

208 g — light weight

Laser — infrared fill light

4W — Light output power

35 times — optical zoom

IR laser fill-in light for stealth surveillance

- High-performance laser light source Imperceptible to the human eye
- Light output power up to 4W
- Maximum infrared fill light distance greater than 300m

Linear zoom flexible adjustable light

- 35x optical zoom
- Precision tracking and reconnaissance
- 2.0° ~ 70° beam angle
- Free switching between spotlight and floodlight

Imaging optics with industrial protection

- Imaging optical lens group
- Clear and sharp light fill-in
- Supports low-temperature start
- Waterproof and dustproof

Gimbal movement easy control

- Three-axis gimbal stabilization with high-precision
- Self-checking power supply condition and lamp board temperature
- Over discharge and over voltage can be independent power off
- Protection of power safety

Technical Parameters

Model	IR3
Size	126.5*60*88.5mm
Weight	208±5g(Excluding bracket)
Effective Distance	⩾300 m
Type of Laser	Surface-emitting laser
Luminous Wavelength	850±10nm
Zooming Time	⩽ 2s(far angle - near angle)
Light Output Power	4±0.5W
Illumination Angle	Electrically synchronized zoom,
	continuously adjustable from 2.0° to 70°
Far angle 2.0°	Effective distance ⩾ 800 m,
	spot diameter 28 m
Near angle 70°	Effective distance ⩾ 80 m,
	spot diameter 112 m Laser
Laser safety level	Class 3B (FDA、IEC)
Laser safe distance	15m at the minimum angle