

Dark30 DEFIANCE 640 PTZ Dark30 DEFIANCE LS 384 PTZ

Vehicle-Mounted Thermal Camera

- Sensitive Remote-Controlled Adjustments
- Intelligent Sleep Mode
- Instant Orientation
- High-definition display
- Infinite 360° Panning
- Low Latency HDMI compatible Wired Screen
- App Control on the Dark 30 App
- Versatile Mounting Options:
(Permanent bolts, suction cups, or 100lb pull magnets)
- Water Resistant
- 5 year warranty



The Dark 30 Defiance is a cutting-edge 360° PTZ vehicle-mounted thermal camera designed for ultimate precision and reliability. Whether you're monitoring wildlife, enhancing security, or conducting inspections, the Defiance delivers unmatched performance with high-resolution thermal imaging, seamless remote-control capabilities, and versatile mounting options. Effortlessly pan, tilt, and zoom for detailed observation with sensitive remote adjustments. The intelligent sleep mode protects the lens and prevents night blindness, ensuring your vision remains sharp in low-light conditions. Quickly return to front and center with sleep mode reactivation or the home button, helping you maintain your bearings. The on-screen directional indicator shows the camera's pointing direction for precise tracking, and the thermal imaging provides clear and detailed visuals for accurate assessment.

Enjoy uninterrupted full-circle coverage with infinite 360° panning and see details of your target with picture-in-picture mode for comprehensive surveillance. The low latency wired screen is HDMI compatible, offering real-time viewing with minimal delay. Control the camera effortlessly with a simple tap on the Dark 30 app. Versatile mounting options include permanent bolts, suction cups, or 100lb pull magnets for flexible installation. Built to withstand various weather conditions, the water-resistant Defiance ensures durability and reliability, while conveniently plugging into your vehicle's cigarette lighter for easy setup.

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SPECIFICATIONS	Dark30 DEFIANCE 640 PTZ	Dark30 DEFIANCE LS 384 PTZ
SENSOR		
Resolution, pixels	640 x 480	384 x 288
Frame rate, fps	60	60
Pixel size, μm	17	17
Spectral range, μm	8 - 14	8 - 14
NETD, mK	<30	<40
Colour palettes	5	5
Detection range, m	1150	1150
OPTICAL SPECIFICATIONS		
Digital zoom (x)	1-8x	1-8x
Lens diameter, mm	32	30
Lens system	F30/1.0	F30/1.0
Field of view (H x V x D)	20° x 15° x 25°	20° x 15° x 25°
Lens material	Germanium	Germanium
DISPLAY		
Type	1920x1200 LCD	1920x1200 LCD
Screen size, mm	256.5	256.5
OPERATIONAL SPECIFICATIONS		
Ports	1 TF card slot, 2 HDMI ports, 2 DC ports	1 TF card slot, 2 HDMI ports, 2 DC ports
External power supply	Car cigarette power, 12VDC	Car cigarette power, 12VDC
Camera Amperage @12VDC, mA	750	750
Display Amperage @ 12VDC, mA	320	320
Adaptor Connection with both Camera and Display, mA	1200	1200
Battery type	N/A for unit, 2x AAA for Remote	N/A for unit, 2x AAA for Remote
Environmental Rating	IP66	IP66
Operating Temperature	-20°C to +50°C	-20°C to +50°C
Pan angle	Continuous 360°	Continuous 360°
Tilt angle	Straight downward to 45 degrees above horizontal	
Body material	Aluminum	Aluminum
Dimensions (W x D x H), mm	169 x 195 x 198	169 x 195 x 198
Weight, kg	3.15	3.15

Accessories: Base Kit, Remote, Screen