

UniFi

AI LPR Datasheet

MiRO

UniFi - AI LPR

SKU: UB-UVC-AI-LPR



The Ubiquiti UVC AI LPR is a high-performance 4K bullet IP camera designed for precise license plate recognition (LPR). With 3x optical zoom and long-range IR night vision, it captures clear 8MP video and recognizes license plates on vehicles moving up to 90 km/h. Its rugged, weatherproof design ensures reliable outdoor performance, and it supports dual-lane coverage for comprehensive traffic monitoring¹. Ideal for high-traffic areas, this camera delivers exceptional LPR results in all lighting conditions

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Mechanical

Dimensions	130 x 151.4 x 302.9 mm (5.1 x 6 x 11.9")
IR Night Vision	15 m (50 ft)
Optical Zoom	3x
License Plate Recognition	Yes
Smart Detections (People, Vehicles, Animals)	Yes
Resolution	4K
Field of View	Wide: H 109.9°, V 60°, D 127.7° Tele: H 35°, V 19.8°, D 40°
Audio	Microphone
Weatherproofing	IP66
Tamper Resistance	IK04
Mounting	Wall, Ceiling, Pole mount (Included) Junction Box, Angled Base (Optional)
UniFi Application Suite	Protect

Performance

Networking Interface	GbE RJ45 port
Video	
Image Settings	Color, brightness, sharpness, contrast, white balance, exposure control, 2DNR, 3DNR, NR by motion, masking, text overlay
Max. Frame Rate	30 FPS
Resolution	8MP 3840 x 2160 (16:9)
Optics	
Sensor	1/1.8" 8MP
Lens	F 4.1–12.3 mm; $f/1.53$ – $f/3.3$
IR Capture Distance	15 m (50 ft)
LPR Night Mode	LPR optimization filter

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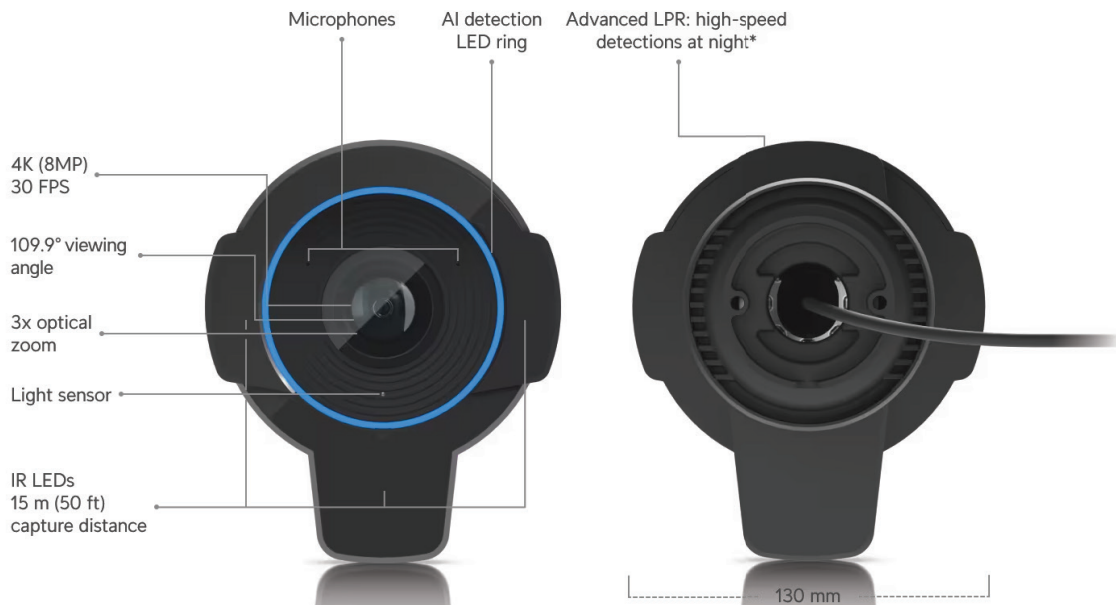
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Hardware

Max. Power Consumption	25.5W
Supported Voltage Range	42.5–57V DC
Power Method	PoE+
Processor	Quad-core Arm® Cortex®-A53 based chip
Pole Mount Diameter	38–50 mm (1.5–2")
Weight	1.5 kg (3.3 lb)
Enclosure Material	Aluminum alloy, polycarbonate
Mount Material	Aluminum Alloy
Button	Factory Reset
Ambient Operating Temperature	-20 to 50° C (-4 to 122° F)
Ambient Operating Humidity	10 to 90% noncondensing
Certifications	FCC, IC, CE
Cable	
Cable Connector Type	RJ45
Cable Diameter	4.5 mm (0.2")
Cable Length	30 cm (1 ft)
Jacket Material	Thermoplastic elastomer
Jacket Enclosure Dimensions	Ø20 x 70.6 mm (0.8 x 2.8")
Jacket Enclosure Material	Thermoplastic elastomer, polycarbonate, silicone rubber
Expansion Slot	Micro SD memory card

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*The AI-LPR is optimized to exclusively capture reflective or non-reflective license plates at night. Install additional cameras to capture other vehicle details.

