

Micropak 5



Simplicity and performance:
standalone, triggerless, easy to
install.

- **All Integrated:** LPR is performed entirely inside the camera, no LPR server needed.
- **High speed:** 20 ms to digitize plates on vehicles moving at speeds up to 155 mph (250 km/h).
- **No Trigger needed:** The fastest option for frictionless applications.
- **DGPR** (Dangerous Goods Plate Recognition) capability.
- **Adjustable Recognition Distance:** From 5 ft (1.5 m) to 49 ft (15 m).
- **Dry contact:** To directly control a barrier.
- **Guard Ready:** Monitoring tool for validating camera's installation and performance.

Applications



PARKING



ACCESS CONTROL



SECURITY



ITS & TOLLING

LICENSE PLATE RECOGNITION

	European Plates (long)	American Plates (short)
Recognition distance (MPK5 SR)	From 6.5 to 24.5 ft (2 to 7.5 m)	From 5 to 18 ft (1.5 to 5.5 m)
Recognition distance (MPK5 LR)	From 13 to 49 ft (4 to 15 m)	From 8 to 32 ft (2.5 to 10 m)
Coverage width	Up to 13 ft (4 m)	Up to 10 ft (3 m)
Recognition Engine	SURVISION REAL TIME EMBEDDED AI ENGINE (SREIE)	
Recognition framerate	60 fps (frames per second)	
Recognition direction	Both (Rear and Front)	
Max vehicle speed	155 mph (250 km/h)	
Trigger	Free Running (without trigger) - Software Trigger - Hardware Trigger	
Confidence Ratio	Yes	
JPEG image	Yes (4 different formats), adjustable quality	
Square plate formats supported	Yes	
Countries supported	All supported countries provided simultaneously (contact sales@survisiongroup.com for an up-to-date list)	
Other data supplied	Plate Position, Direction of Traffic, Country, State, Type	
Realtime LPR video flow	Yes	

VIDEO AND ILLUMINATION FEATURES

Lighting	5 high power LEDs IR (850 nm) or white light
CMOS	FHD 2MP Black & White or Color
Compression	H264
Streaming Protocol	RTSP
Available settings	Video stream frame rate (up to 30 fps), Bitrate, Zoom, Focus

ELECTRICAL CHARACTERISTICS

Power	24 V +/- 3 V or PoE+ (IEEE 802.3at). (PoE is an extra option, only available when ordering some specific references)
Power Consumption	Average 7 W, max 8 W @ 60fps

MECHANICAL CHARACTERISTICS

Weight (with sunshield)	2.7 lbs (3.9 lbs)	
Dimension (with sunshield) LxDxH	2.8 x 4.5 x 5.1 in // 70 x 115 x 130 mm	(3.7 x 6.8 x 6.1 in // 94 x 174 x 154 mm)
Coating	Epoxy RAL 7031	
Material	Aluminum, 316L stainless steel	
Water & Dust protection	IP67	
Connectors	Amphenol RJ45 + Amphenol DB10 LTW	

Operating and storage temperature	From -40 °F to +131 °F (-40 °C to +55 °C)
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SECURITY, ENVIRONMENTAL AND TECHNICAL CERTIFICATIONS

Security	SSL (TLS 1.2), 802.1x, 802.1q
Photobiological Safety	IEC 62471
Homologation	CISPR 32 : 2015 / AMD1 : 2019, CISPR 35 : 2016, FCC 47 CFR PART 15: 2021, ICES003 / NMB-003 édition 7: 2020 et ICES-Gen / NMB-Gen : 2018, EN 62368-1:2014/A11 :2017, ISO 9227
MTBF	70,000 hours (minimum)
Mechanical Resistance - Vibration	EN 60068-2-64 Spectre A.2 Category 2 - Fixed installation
Time Synchronization	NTP Protocol

DATA OUTPUT AND INPUT

Ethernet	Ethernet 10/100 mbps
TCP/IP	SURVISION Open Camera Development Kit (CDK)
Web Interface	REST webservice and Websocket (SSWS)
FTP	Embedded FTP Client
Serial	RS485 Wiegand (external card must be ordered for distances above 20 meters)
IO/IN	Optocoupler. Voltage min 15 V max 30 V
IO/OUT	Relay Max. 220 VDC, 2A
OSDP	Yes

ACCESSORIES AND OPTIONS

Power Supply	24 VDC 15W
Power cable	10, 33 or 98 ft (3, 10 or 30 m)
Power cable + RS485	50 ft (15 m)
Power Cable + Relay + I/O	99 ft (30 m)
Fixation parts	Pole adapter and 3D adjustable brackets