



MICROPAK VARIO

High performance, standalone, triggerless and easy to install LPR Camera.

- **All Integrated:** LPR is performed entirely inside the camera, [no LPR server needed](#).
- **High speed:** 20ms to digitalize 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 51 ft (15.5 m).
- **Dry contact** To directly control a barrier.
- **CST Ready:** Monitoring tool for validating camera's installation and performance.

LPR that Commits!

Includes a Contractual Guarantee of Performance.

Satisfied or Refunded!

Applications



PARKING



ACCESS CONTROL



SECURITY



ITS & TOLLING

LICENSE PLATE RECOGNITION

	European (long) plates	American (short) plates
Recognition distance (Micropak Short Range)	From 6.5 to 20 ft (2 to 6 m)	From 5 to 15 ft (1.5 to 4.5 m)
Recognition distance (Micropak Long Range)	From 13 to 51 ft (4 to 15.5 m)	From 8 to 35 ft (2.5 to 10.5 m)
Coverage width	Up to 13 ft (4 m)	Up to 10 ft (3 m)
Recognition Engine	SURVISION REALTIME EMBEDDED AI ENGINE (SREIE)	
Recognition framerate	60 fps	
Recognition direction	Both (Rear and Front)	
Max vehicle speed	155 mph (250 km/h)	
Triggering	Free Running (no trigger) - Software Trigger - Hardware Trigger	
Confidence Ratio	Yes	
Recognition JPEG	Yes (4 different formats), settable quality	
Square plate formats supported	Yes	
Countries supported	All countries supported supplied at once (contact sales@survisiongroup.com for up-to-date list)	
Other data supplied	Coordinates of the plate, Direction, Country, Jurisdiction, Type	
Realtime video flow	Yes	

VIDEO AND ILLUMINATION FEATURES

Lighting	4 strong power pulsed IR (850 nm) or White Light LEDs
CMOS	HD 1.3 M Pixels Black&White
Compression	H264
Transport Protocol	RTSP
Available settings	Display framerate (up to 30 fps), Bitrate

ELECTRICAL CHARACTERISTICS

Power supply	24 V +/- 3 V
Power Consumption	Average 10 W, max 15 W

MECHANICAL CHARACTERISTICS

Weight	3.5 lbs (1.58 kg)
Dimension (LxWxH)	5.12 x 4.53 x 2.76 in (130 x 115 x 70 mm)
Material	Aluminium
Coating	Epoxy painting RAL 7031
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)

SECURITY, ENVIRONMENTAL AND TECHNICAL CERTIFICATIONS

Security	SSL (TLS 1.2), 802.1x, 802.1q
Photobiological Safety	IEC62471
Homologation	EMC EN 55032, CE Marking, FCC Part 15, ICEES-003, CB Scheme, EN 61000-6-3, EN 61000-6-2
MTBF	70,000 hours minimum
Time Synchronization	NTP Protocol

DATA OUTPUT AND INPUT

TCP/IP	SURVISION Open Camera Development Kit (CDK)
FTP	Embedded FTP Client
Ethernet	Ethernet 10 / 100
Serial	Insulated RS485
WIEGAND	Through external board connected to the RS485
IO/IN	Optocoupler. Tension min 15 V max 30 V
IO/OUT	Relay Max. 220 VDC, 2A
Web Interface	REST webservice and WebSocket (SSWS)

ACCESSORIES AND OPTIONS

Power cable	10, 33 or 98 ft (3, 10 or 30 m)
Power cable + RS485	50 ft (15 m)
Power Cable + Relay + I/O	98 ft (30 m)
Power Supply	24 VDC 15 W
Fixation parts	Pole Mounting Kit and 3D adjusting Bracket

PART NUMBERS

	Short Range	Long Range
IR (Black characters)	MPK3VA156V	MPK3VA146V
White Light (Colored characters)	MPK3VA256V	MPK3VA246V