



LPR that Commits!

Includes a Contractual
Guarantee of Performance.

Satisfied or Refunded!

NANOPAK 5

Reliable, standalone, triggerless
LPR Camera, ready to be integrated to a
barrier or any other equipment.

- **All Integrated:** LPR is performed entirely inside the camera, [no LPR server needed](#).
- **Fast:** Realtime reading of the license plate.
- **No Trigger needed:** The fastest option for [frictionless](#) applications.
- **Ultra-Compact:** Made to be embedded inside a TOTEM supplied by SURVISION, a barrier or any other custom hardware.
- **Adjustable Recognition Distance:**
From 5 ft (1.5 m) to 24.5 ft (7.5 m).
- **Dry Contact:** To directly control a barrier.
- **CST Ready:** Monitoring tool for validating [camera's installation and performance](#).

APPLICATIONS



PARKING



ACCESS CONTROL

LICENSE PLATE RECOGNITION

	European plates (long)	Americas Plates (short)
Recognition distance	From 6.5 to 24.5 ft (2 to 7.5 m)	From 5 to 18 ft (1.5 to 5.5 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	Up to 155 mph (250 km/h)	
Triggering	Free Running (no trigger) - Software Trigger - Hardware Trigger	
Confidence Ratio	Yes	
Recognition JPEG	Yes (4 different formats), adjustable 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, State, Type	
Realtime video flow	Yes	

VIDEO AND ILLUMINATION FEATURES

Lighting	5 strong power IR (850 nm) or White Light LEDs
CMOS	FHD 2Mpixels Black & White or Color
Compression	H264
Transport Protocol	RTSP
Available settings	Display framerate (up to 30 fps), Bitrate, Zoom

ELECTRICAL CHARACTERISTICS

Power supply	24 V +/- 3 V
Power Consumption	Average 7 W, max 8 W @ 60 fps

MECHANICAL CHARACTERISTICS

Weight	1lbs (490 g)
Dimension (LxWxH)	4.8 x 3.14 x 2.63 in (122 x 80 x 67 mm)
Material	Aluminium
Coating	Clear anodizing
Water&Dust protection	IP2X
Connectors	Ethernet RJ45 + MOLEX Mini Fit JR
Operating and storage temperature	From -40 °F to +131 °F (-20 °C to +55 °C)

ENVIRONMENTAL AND TECHNICAL CERTIFICATIONS

Security	SSL (TLS 1.2), 802.1x, 802.1q
Photobiological Safety	IEC62471
Homologation	CISPR 32 : 2015 / AMD1 : 2019, CISPR 35 : 2016, FCC 47 CFR PART 15: 2021, ICES-003 / NMB-003 édition 7: 2020 et ICES-Gen / NMB-Gen : 2018, EN 62368-1:2014/A11 :2017
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
Serial	RS485, Wiegand
Ethernet	Gigabit Ethernet 10/100/1000
IO/IN	Optocoupler. Tension min 15 V max 30 V
IO/OUT	Relay Max. 220 VDC 2A
OSDP	Yes
Web Interface	REST webservice and WebSocket (SSWS)

ACCESSORIES AND OPTIONS

Power cable + Relay	3.28 ft (1 m)
Cable RS485 / Wiegand / IO	3.28 ft (1 m)
Fixation Parts	TOTEM NANOPAK
Power supply	24 VDC 15W

PART NUMBERS

IR (Black characters)	NPK521AMPAF
White Light (Colored characters)	NPK522AMP