

## 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.
- **Guard Ready:** Monitoring tool for validating camera's installation and performance.

## Applications



ACCESS CONTROL



PARKING

## LICENSE PLATE RECOGNITION

	European plates (long)	American 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 (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	
Recognition JPEG	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 video flow	Yes	

## VIDEO AND ILLUMINATION FEATURES

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

## ELECTRICAL CHARACTERISTICS

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

## MECHANICAL CHARACTERISTICS

Weight	1 lb (490 g)
Dimension (LxDxH)	2.63 x 3.14 x 4.80 in (67 x 80 x 122 mm)
Coating	Clear anodizing
Material	Aluminum, 316L stainless steel
Water & Dust protection	IP2X
Connectors	Ethernet RJ45 + MOLEX Mini Fit JR
Operating and storage temperature	From -40 °F to +131 °C (-40 °C to +55 °C)

## 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
Mechanical resistance - Impact	IK08
Time Synchronization	NTP Protocol

## DATA OUTPUT AND INPUT

Ethernet	Ethernet 10 / 100
TCP/IP	SURVISION Open Camera Development Kit (CDK)
4G	LTE Cat 4 Module   LTE FDD Band 1/3/5/7/8/20   LTE FDD 150Mbps DL/ 50Mbps UL (dependent on market area, details upon request)
Web Interface	REST web service 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, 2 A
OSDP	Yes

## ACCESSORIES AND OPTIONS

Power Supply	24 VDC 15 W
Power cable + Relais	3.28 ft (1 m)
Cable RS485 / Wiegand / IO	3.28 ft (1 m)
Fixation parts	TOTEM NANOPAK