Nanopak Totem 5

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A reliable, standalone, triggerless and easy-to-install LPR Camera, it is cased in a versatile totem and ready to use.

○ **All Integrated:** Plate Reading is done directly inside the camera, no need for a processing server. Context image for each shot provided.

○ **High Speed:** 20 ms to read a plate for vehicles up to 155 mph (250 km/h).

○ **No need for a trigger:** ultra-fast decision, ideal for sites operating without barriers and without tickets.

○ **Easy to Install:** The TOTEM integrates all electrical components. It bolts to the ground securely. Variable reading distance: from 3 m to 8 m.

○ **Adjustable Recognition Distance:** From 5 ft (1.5 m) to 25 ft (7.5 m).

○ **Customizable:** The color of the Totem can be adapted to the installation colors.

○ **Dry Contact:** Allowing direct control of the barrier.

○ **Guard Ready:** monitoring tool to validate the installation and maintain high performance over time.

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	
Realtime Overview 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	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

	Front Reading	Rear Reading
Weight	8,5 kg	10 kg
Dimensions LxWxH	140 x 80 x 730 mm	140 x 80 x 1000 mm
Coating	Epoxy RAL 7048	Epoxy RAL 7031
Connectors	Ethernet RJ45 + MOLEX Mini Fit JR	
Water & Dust protection	IP54	
Material	Aluminum, 430 stainless steel, steel	

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)
Time Synchronization	NTP Protocol

DATA OUTPUT AND INPUT

Ethernet	Ethernet 10 / 100
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, 2 A
OSDP	Yes

ACCESSORIES AND OPTIONS

Cable RS485 / Wiegand / IO	3.28 ft (1 m)
Power Cable + Relay	3.28 ft (1 m)