

NANOPAK RUGGED

Reliable, standalone, triggerless and easy to install LPR Camera.

- **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.
- **Adjustable Recognition Distance:** From 10 ft (3 m) to 27 ft (8 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

LICENSE PLATE RECOGNITION

	European plates (long)	Americas Plates (short)
Recognition distance	From 10 to 27 ft (3 to 8 m)	From 10 to 23 ft (3 to 7 m)
Coverage width	Up to 13 ft (4 m)	Up to 11 ft (3.5 m)
Recognition Engine	SURVISION REALTIME EMBEDDED AI ENGINE (SREIE)	
Recognition framerate	30 fps	
Recognition direction	Both (Rear and Front)	
Max vehicle speed	Up to 18 mph (30 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, Type	
Realtime video flow	Yes	

VIDEO AND ILLUMINATION FEATURES

Lighting	6 strong power IR (850 nm) or White Light LEDs
CMOS	HD 8 MPixels 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 10 W, max 12 W

MECHANICAL CHARACTERISTICS

Weight	2.2lbs (1,9 kg)
Dimensions (LxWxH)	6.06 x 8.42 x 3.70 (154 x 214 x 94 mm)
Material	Aluminium
Coating	Epoxy RAL 9010
Water&Dust protection	IP67
Connectors	Amphenol RJ45 + Amphenol DB10 LTW
Operating and storage temperature	From -4 °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	EMC EN55024, EN55032, EN61000, EN62368, CE Marking, FCC Part 15, CB Scheme
MTBF	56 000 hours minimum
Time Synchronization	NTP Protocol

DATA OUTPUT AND INPUT

PROTOCOLS	Survision CDK, REST Web Services, Web Sockets
FTP	Embedded FTP Client
Ethernet	Gigabit Ethernet 10/100/1000
IO/IN	Optocoupler. Voltage min 15 V max 30 V
IO/OUT	Relay Max. 220 VDC 2A

ACCESSORIES AND OPTIONS

Power cable + Relay	3.28 ft (1 m)
Fixation Parts	Pole Mounting Kit and Flexible Bracket

PART NUMBERS

IR (Black characters)	NPK3RUGA16
White Light (Colored characters)	NPK3RUGA26