

# CITYPAK 5

PRE RELEASE



Designed for smart city applications

- **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).
- **Large coverage,** perfect for cities with low emission zones
- **4G** modem embedded inside the camera
- **No Trigger needed:** The fastest option for [frictionless](#) applications.
- **Extremely large Recognition Distance:** From 23 to 100 ft (7 to 30 m).
- **CST Ready:** Monitoring tool for validating camera's installation and performance.

## LPR that Commits!

Includes a Contractual Guarantee of Performance.

**Satisfied or Refunded!**

## Applications



SMART CITY

**LICENSE PLATE RECOGNITION**

<b>Recognition distance</b>	From 23 to 100 ft (7 to 30 m)
<b>Coverage width</b>	Up to 23 ft (7 m)
<b>Recognition Engine</b>	SURVISION REALTIME EMBEDDED AI ENGINE (SREIE)
<b>Recognition framerate</b>	60 fps
<b>Recognition direction</b>	Both (Rear and Front)
<b>Recognition DGPR (Dangerous Goods Plate)</b>	Yes
<b>Max vehicle speed</b>	155 mph (250 km/h)
<b>Triggering</b>	Free Running (no trigger) - Software Trigger - Hardware Trigger
<b>Confidence Ratio</b>	Yes
<b>Plate FingerPrint</b>	Yes
<b>Recognition JPEG</b>	Yes (4 different formats), settable quality
<b>Square plate formats supported</b>	Yes
<b>Countries supported</b>	All countries supported supplied at once (contact <a href="mailto:sales@survisiongroup.com">sales@survisiongroup.com</a> for up-to-date list)
<b>Other data supplied</b>	Coordinates of the plate, Direction, Country, Jurisdiction, Type
<b>Realtime video flow</b>	Yes

**VIDEO AND ILLUMINATION FEATURES**

<b>Lighting</b>	8 strong power pulsed IR
<b>CMOS</b>	FHD 2 MPixels
<b>Compression</b>	H264
<b>Transport Protocol</b>	RTSP
<b>Available settings</b>	Display framerate (up to 30 fps), Bitrate

**ELECTRICAL CHARACTERISTICS**

<b>Power</b>	24 V +/- 3 V or POE
<b>Power Consumption</b>	Average 15W, max 20W

**MECHANICAL CHARACTERISTICS**

<b>Weight</b>	2.5 kg
<b>Dimension (LxWxH)</b>	5.12 x 9 x 2.76 in (130 x 230 x 70 mm)
<b>Material</b>	Aluminium
<b>Coating</b>	Epoxy painting RAL 7031
<b>Water&amp;Dust protection</b>	IP67
<b>Connectors</b>	Amphenol RJ45 + Amphenol DB10 LTW
<b>Operating and storage temperature</b>	From -40 °F to +131 °F (-40 °C to +55 °C)

## SECURITY, ENVIRONMENTAL AND TECHNICAL CERTIFICATIONS

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

## DATA OUTPUT AND INPUT

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

## ACCESSORIES AND OPTIONS

<b>Power cable</b>	10, 33 or 98 ft (3, 10 or 30 m)
<b>Power cable + RS485</b>	50 ft (15 m)
<b>Power Cable + Relay + I/O</b>	98 ft (30 m)
<b>Power Supply</b>	24 VDC 20 W
<b>Fixation parts</b>	Pole Mounting Kit and 3D adjustable aluminium bracket or Gantry High Duty Free-Flow tolling Stainless Steel bracket