

# VISIPAK & VISIPAK OV

## Designed for Free Flow Installations



Visipak

- **ALL-INTEGRATED:** License Plate Recognition (LPR) process is performed entirely inside the camera.

- **HIGH SPEED:** Supports vehicle speeds up to 155 mph (250 km/h).

- **EASY TO SET UP:** The camera automatically adjusts its filming and lighting parameters to provide optimal performance regardless of the environmental conditions. Camera settings (compression, frequency, etc) can be modified remotely.

- **CONFIDENCE LEVEL:** VISIPAK provides a precise Confidence Ratio to efficiently take decisions between Automatic Processing or Manual Review.

- **VIDEO STREAM:** Provided in real time (Standard RTSP streaming).

- **FAST:** 60 fps (frames per second).

- **FLEXIBLE:** Adjustable recognition distance from 13 to 100 ft (4 to 30 m).

- **INSTANT SPEED OPTION:** VISIPAK provides a very accurate instant speed of the vehicle based on the analysis of the license plate's trajectory. This can be used for educational speed enforcement, or for statistics.



Visipak OV

## Visipak OV

With a second Overview HD color camera, it also provides high quality contextual RTSP/H264 video and images.

## APPLICATIONS



TOLLING AND ITS



SECURITY



SMART CITIES

### LICENSE PLATE RECOGNITION

Recognition distance	From 13 to 100 ft (4 to 30 m)
Coverage width	Up to 23 ft (7 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), settable quality
Square plate formats supported	Yes
Countries supported	All countries supported supplied at once (go to <a href="https://survisiongroup.com/coverage">https://survisiongroup.com/coverage</a> for up-to-date list)
Other data supplied	Coordinates of the plate, Direction, Country, Jurisdiction, Type
Realtime video flow	Yes

### VIDEO AND ILLUMINATION FEATURES

Lighting	16 Infrared (850 nm) or White Light LEDs
CMOS	FULL HD
Compression	H264, JPEG
Transport Protocol	RTSP
Available settings	Display framerate (up to 30 fps), Bitrate, Zoom

### ELECTRICAL CHARACTERISTICS

Power supply	24 V +/- 3 V
Power Consumption	Average 40 W, max 60 W

### MECHANICAL CHARACTERISTICS

Weight	8.82 lbs (4 Kg)
Dimension (LxWxH)	8.9 x 5.83 x 5.55 in (226 x 148 x 141 mm)
Material	Aluminium
Coating	Epoxy painting RAL 7048
Water&Dust protection	IP67
Connectors	Amphenol RJ45 + Amphenol DB10 LTW
Operating temperature	From -4°F to +131°F (-20°C to +55°C)
Storage Temperature	From -40°F to +131°F (-40°C to +55°C)

### SECURITY, ENVIRONMENTAL AND TECHNICAL CERTIFICATIONS

Security	SSL (TLS 1.2), IEC60950, CB Scheme
Photobiological Safety	IEC62471
Homologation	EMC EN 55022, EN 55024, CE Marking
MTBF	56.000 hours
Time Synchronization	NTP Protocol

### DATA OUTPUT AND INPUT

TCP/IP	SURVISION Open Camera Development Kit (CDK)
FTP	Embedded FTP Client
Ethernet	Gigabit Ethernet 10 / 100 / 1000
Serial	RS232
IO/OUT	Relay Max. 220 VDC 2A
Web Interface	REST webservice and Websocket (SSWS)

### ACCESSORIES AND OPTIONS

Power cable	10 ft (3 m) , 33 ft (10 m), 98 ft (30 m)
Power cable + IO OUT	49 ft (15 m)
Power + RS232	49 ft (15 m)
Power + Relay	49ft (15 m)
Power Supply	24 VDC 60W
Option	Instant Speed calculation
External Illumination	External projector of high synchronized power (LUMIPAK)
Fixation parts	Special Free-Flow Bracket and Pole Mounting Kit
Extended temperature	-40°/+131°F (-40° to +55°C)

### PART NUMBERS

	VISIPAK	VISIPAK OV
Plus (all countries) IR (Black characters)	VPK4A121-16	VPK4AV321-16
Plus (all countries) White Light (Colored characters)	VPK4A11-16	VPK4AV31-16
Plus (all countries) Instant Speed	VPK4AS121-16	VPK4AVS321-16
Plus (all countries) Extended Temperature	VPK4TA121-16	VPK4TAV321-16