

Visipak 5 & 5 OV



Visipak



Visipak OV

Designed for Free Flow Tolling Installations

- **Enhanced Accuracy:** Integrated artificial intelligence module that increases LAPI performance to never before seen levels.
- **All Integrated:** LPR is performed entirely inside the camera; no LPR server needed. Context image for each shot.
- **High Speed:** 20ms to digitize plates on vehicles moving at speeds up to 155 mph (250 km/h).
- **No Trigger Needed:** The fastest option for frictionless applications.
- **Wide-Range Recognition Distance:** From 23 to 116 ft (7 to 35 m).
- **Accurate Confidence Rate:** to efficiently distribute transactions between those that need to be manually reviewed and those that can be processed fully automatically.
- **Guard Ready:** Monitoring tool for validating camera's installation and performance.

Visipak OV

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

Applications



ITS & TOLLING

LICENSE PLATE RECOGNITION

	European Plates (long)	American Plates (short)
Recognition distance	From 23 to 116 ft (7 to 35 m)	From 23 to 92 ft (7 to 28 m)
Coverage width	Up to 23 ft (7 m)	
Recognition Engine	SURVISION REAL TIME EMBEDDED AI ENGINE (SREIE)	
Recognition framerate	60 fps (frames per second)	
Recognition direction	Both (Rear and Front)	
Dangerous Goods Plates Recognition	Yes	
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	
Real time video flow	Yes	
Real time Overview video flow	Yes (5 OV)	

VIDEO AND ILLUMINATION FEATURES

	VISIPAK 5	VISIPAK 5 OV
Lighting	8 high power LEDs IR (850 nm) or white light	2x 8 high power LEDs IR (850 nm) and/or White Light
CMOS	FHD 2MP Black & White or Color	
Compression	H264	
Streaming Protocol	RTSP	
Available settings	Frame rate (up to 30 fps), Bitrate, Zoom, Focus	

ELECTRICAL CHARACTERISTICS

	VISIPAK 5	VISIPAK 5 OV
Power (PoE is an extra option, only available when ordering some specific references)	24 V +/- 3 V or POE+ (IEEE 802.3at)	24 V +/- 3 V or POE++ (IEEE 802.3bt). (Available late 2025)
Power Consumption	Average 15 W, max 17 W @ 60fps	Average 30 W, max 34 W @ 2x60fps

MECHANICAL CHARACTERISTICS

	VISIPAK 5	VISIPAK 5 OV
Weight (with Sunshield)	5.5 lb // 2.5 kg (7.27 lb // 3.3 kg)	7,72 lb // 3.5 kg (9,03 lb // 4.1 kg)
Dimension (with sunshield) LxDxH	5.1 x 7.6 x 2.8 in // 130 x 194 x 70 mm (6.1 x 10.1 x 3.7 in // 154 x 256 x 94 mm)	5.2 x 7.6 x 4.8 in // 132 x 194 x 120 mm (6 x 9.9 x 5.1 in // 152 x 250 x 129 mm)
Coating	Epoxy RAL 7031	Epoxy RAL 9010
Material	Aluminum, Inox 316L	
Water & Dust protection	IP67	
Connectors	Amphenol RJ45 + Amphenol DB10 LTW	
Operating and storage temperature	From -40 °F to +131 °F (-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, ICES 003 / 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

	VISIPAK 5	VISIPAK 5 OV
Ethernet	Ethernet 10 / 100	Ethernet 10 / 100 / 1000
TCP/IP	SURVISION Open Camera Development Kit (CDK)	
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 V, 2 A	
OSDP	Yes	

ACCESSORIES AND OPTIONS

	VISIPAK 5	VISIPAK 5 OV
Power Supply	24 V, 36 W	24 V, 60 W
Power cable	10, 33 or 98 ft (3, 10 or 30 m)	
Power cable + RS485	50 ft (15 m)	

Power Cable + Relay + I/O	99 ft (30 m)
Fixation parts	Pole adapter and 3D adjustable brackets