

Vidar PAX Camera for Passenger Counting

Get Images Through Windscreens to Count/Check Vehicle Occupants

Vidar PAX cameras capture high-resolution images suitable for accurate recognition and facial identification of vehicle occupants regardless of speed, light, and weather conditions. The camera's extra-wide lenses and built-in LED illuminators, which are highly recommended to be combined with external illuminators, allow users like police and authorities to determine who is inside vehicles with accuracy and speed.

Laser-Based Triggering

The Vidar PAX camera comes with a spot laser that triggers the camera at the exact moment it needs to take pictures. This results in a highly precise and economical operation.

In-Built Near-Infrared LED Illumination

The camera has built-in 760 nm near-infrared (NIR) LED illuminators, and also supports external ones for perfect images of vehicle occupants through a windscreen.

Full Data Privacy Compliance

Vidar PAX fully complies with the strictest data security standards, such as the European Union's GDPR, by encrypting sensitive data before it leaves the device.



Vidar Pax Camera

Imaging

Resolution	Sensor 1 & 2: 1440x1080
Max FPS	Sensor 1 & 2: 120 FPS*
Sensor	Sensor 1: color + Allpass filter, global shutter Sensor 2: black & white + IR Bypass filter, global shutter
Day/night switch	Automatic brightness control with predefined traffic environments or manual
Lens	Motorized zoom and focus, remotely adjustable
Lens mount	Custom mount
Angle of view	Optics 1 & 2: 79° x 63°
Optical zoom	Optics 1 & 2: 3x
Focal length	Optics 1 & 2: Variable 3–9 mm

* On selected sensor and resolution

PAX + ANPR

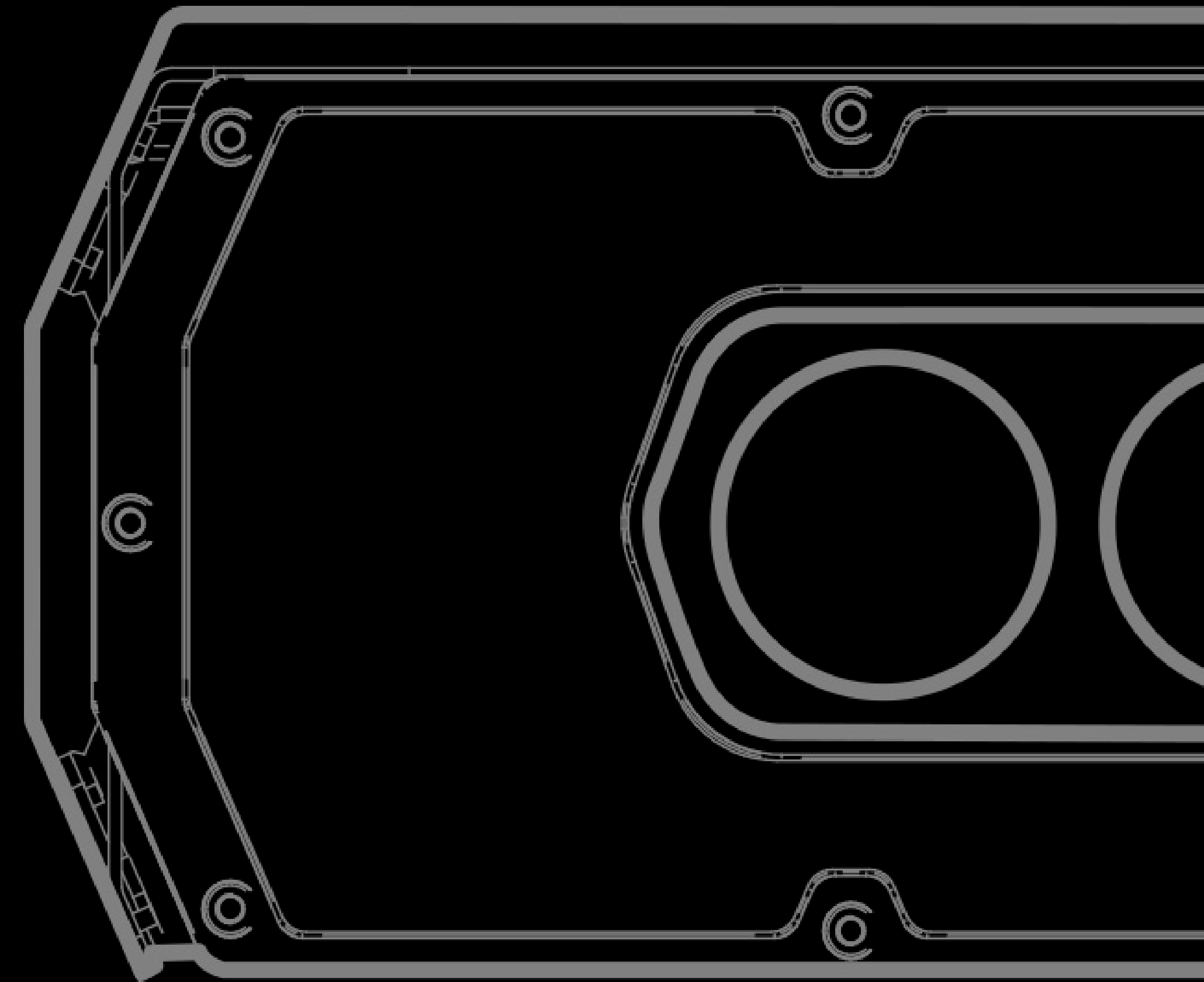
PAX + ANPR range	Up to 9 m (29.53 ft)
Vehicle speed range (at optimal conditions)	0 km/h – 300+ km/h / 0 mph – 190+ mph
Maximum lane width covered (at standard license plate size)	6 m / 20 ft

Onboard Intelligence

Carmen® ANPR	Server side
Carmen® PAX	Server side
GDS compliance	Yes

Illumination

Wavelength	760 nm near-infrared
Illumination modes	Synchronized or continuous
Illumination beam-angle	22°
Variable intensity	Adjustable in 100 increments, parity flash (different intensity for odd and even frames)



Vidar Pax Camera

Processing & I/O

Communication protocols	ONVIF, ARP, TCP/IP, DHCP, NTP, FTP, HTTP, RTSP, HTTPS, SFTP, DNS, SNMP, SSL/TLS, NTCIP
I/O ports	12-pin (External Illuminator, UART, GPIO, USB, RS232)
In-built laser trigger	8 mRad point laser
Laser wavelength & safety class	905 nm CLASS 1 (60825-1 2014)

Electrical Data

Power requirement	24-28 V AC, 2A
Typical power consumption	18 W

Mechanical Data

Operating temperature*	-45°C – +70°C (-49°F - +158°F)
IP & IK rating	IP67, IK10
Dimensions (LxWxH)	250 x 251 x 145 mm / 9.84" x 9.88" x 5.7"
Weight	4.5 kg / 9.92 lbs
In the box	Camera, bracket, shield

Accessories

M12 power cable, Ethernet cable, Junction Box, External IR-light, External GPS, I/O cable

Certificate

Made in EU, NDAA compliant

* Internal
Technical specifications are subject to change without prior notice. This document does not constitute an offer.

Contact

ADAPTIVE RECOGNITION

www.adaptiverecognition.com



[Check Product Details](#)

[Request Information](#)

Adaptive Recognition global offices



Adaptive Recognition **America**



Adaptive Recognition **Nordic**



Adaptive Recognition **Hungary**



Adaptive Recognition **Singapore**

Disclaimer

The information contained in this brochure is provided as is and without any warranties of any kind, whether expressed or implied, including but not limited to, implied warranties of satisfactory quality, fitness for a particular purpose and/or correctness. The contents of this brochure is for general information purposes only and do not constitute advice. Adaptive Recognition does not represent or warrant that the information and/or specifications contained in this brochure are accurate, complete or current and specifically stipulate that certain scanner details and specifications contained in this brochure may differ in available models. Therefore, Adaptive Recognition makes no warranties or representations regarding the use of the content, details, specifications or information contained in this brochure in terms of their correctness, accuracy, adequacy, usefulness, timeliness, reliability or otherwise, in each case to the fullest extent permitted by law.