

Vidar PAX Camera – Camera for Passenger Counting

Model	Vidar PAX Camera
Imaging	
Resolution	Sensor 1 & 2: 1440x1080
Max FPS	Sensor 1 & 2: 100 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: Wide: 79.2° x 63.7° Tele: 30.9° x 23.4°
Optical Zoom	Optics 1&2: 3.3x

* On selected sensor and resolution

PAX + ANPR	
PAX + ANPR range	1 m – 3.75 m (3.3 feet – 12.3 feet)
Vehicle speed range (at optimal conditions)	0 km/h – 30+ km/h / 0 mph – 18.6+ mph
Maximum lane width covered (at standard license plate size)	3.75 m (20 feet)

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

Illumination	
Wavelength	760 nm near-infrared
Illumination modes	Illuminator only operates in pulse mode
Illumination beam-angle	40° x 15° or 22°
Variable intensity	Adjustable in 100 increments, parity flash (different intensity for odd and even frames)

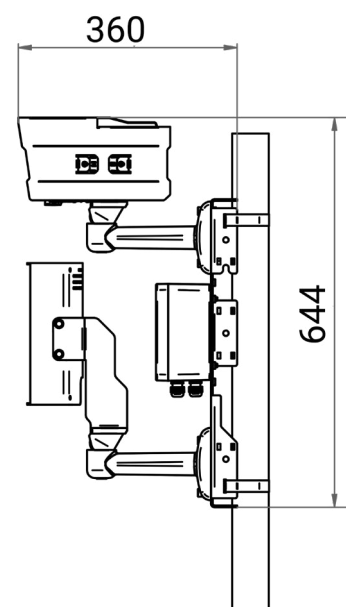
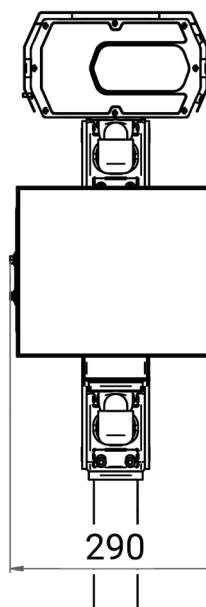
Processing & I/O	
Communication protocols	ONVIF, ARP, TCP/IP, DHCP, NTP, FTP, HTTP, RTSP, HTTPS, SFTP, DNS, SNMP, SSL/TLS, NTCIP
I/O ports	12-pin (External Illuminator, UART, GPIO, USB, RS232)
In-built laser trigger	8 mRad point laser
Laser wavelength & safety class	905 nm CLASS 1 (60825-1 2014)

Mechanical Data	
Operating temperature*	-45°C – +70°C (-49°F - +158°F)
IP & IK rating	IP67, IK10 (additional accessory component required)
Dimensions (LxWxH)	360 x 290 x 644 mm / 14.17" x 11.42" x 25.35"
Weight	4.5 kg / 9.92 lbs
In the box	Camera, bracket, shield

Electrical Data	
Power requirement	36 VDC (a common base is needed for the camera and the External Illuminator)

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

Certificate	Made in EU, NDAA compliant
--------------------	----------------------------



3-year warranty
Made in EU

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



requestinfo@adaptiverecognition.com
www.adaptiverecognition.com

- dual motorized optics • high-performance 4-core ANPR processor • built-in laser trigger • MMR + color • up to 100 FPS
- reads reflective/non-reflective plates simultaneously • overview lens • direction detection • wealth of features
- 850 nm IR illumination • spectacular night-time performance • natively GDS-ready • vehicle categorization

© Copyright Adaptive Recognition Inc.
All rights reserved.

Release date: 07. 06. 2023