

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)
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Accessories

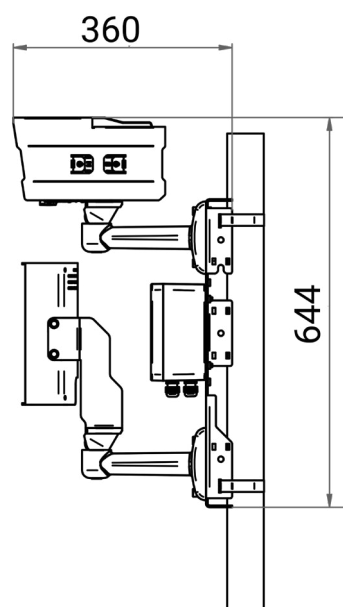
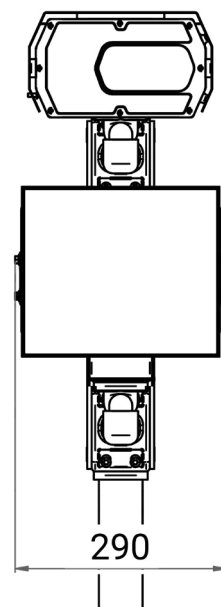
M12 power cable, Ethernet cable, Junction Box, External IR-light, External GPS, I/O cable

Certificate

Made in EU, NDAA compliant

*Internal

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

**3-year warranty**
Made in EU