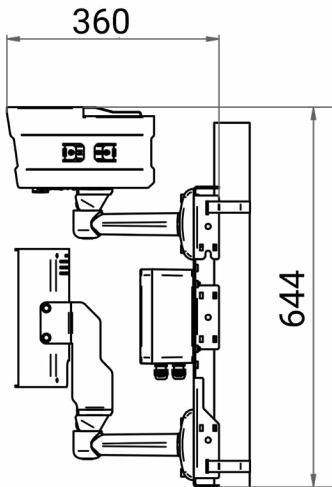
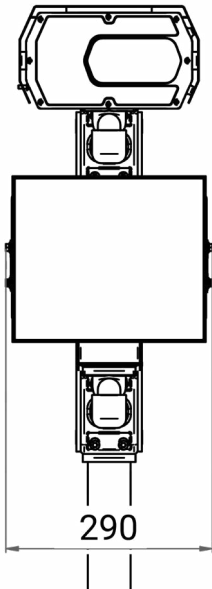


Vidar PAX Camera – Camera for Passenger Counting

Imaging		Vidar PAX Camera
Resolution		Sensor 1 & 2: 1.5MP (1440x1080)
Max FPS		Sensor 1 & 2: 100 FPS (on selected sensor and resolution)
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
Focal length		Optics 1 & 2: Variable 3–9 mm
PAX + ANPR		Custom sensor configurations (e.g., resolution, color or b/w), optics (zoom or fix, focal length, etc.) and filters (IR-band, IR-Cut, All Pass, and Polarized) are available upon request.
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		Range can be tailored with different lens and sensor combinations to meet specific project requirements.
Carmen® ANPR		Server side
Carmen® PAX		Server side
GDS compliance		Yes
Illumination		On-board AI-based features such as seatbelt detection or mobile phone usage detection can be enabled for selected projects
Wavelength		760 nm near-infrared
Number of LEDs		12 high-power LEDs
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		Any required wavelength (white, 760nm IR, 850nm IR, etc.) even mixed with different beam-angles are also available upon request.
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 I (60825-1 2014)
Mechanical Data		
Operating temperature*		-45°C – +70°C (-49°F - +158°F)
IP & IK rating		IP67, IK10**
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		** For IK10 protection an additional accessory component might be required
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



Technical specifications are subject to change without prior notice. This document does not constitute an offer. For any specific requirements beyond our standard products, custom configurations are available. Please contact our sales team to discuss your project needs and explore tailored solutions. We are happy to help.

