VIDAR Container Code Recognition Camera

Identify International Container Codes with Industry-Leading OCR Technology

The Vidar Container industrial camera is specially developed for container code reading. It supports the tracking of intermodal shipping containers through fast data processing, reading ISO, MOCO, and ILU codes, regardless of container size and surface. The built-in software—powered by our renowned Carmen® OCR software—processes the codes and transforms them into ready-to-use event packages. The camera comes with a shock- and weatherproof housing and minimum amount of moving parts, ensuring long-lasting operation.

Dual Lenses with Wide Optics

With two fully functioning lenses on board, Vidar Container can simultaneously capture container codes and perform general CCTV surveillance purposes. Both lenses operate with wide optics, giving Vidar Container a range of 1.5–8 meters, allowing for close-up installations.

Infrared or White LED Illumination

Vidar Container recognizes container codes in all light and weather conditions. The camera comes with a built-in white LED illuminator and an 850 nm infrared (IR) illuminator.

Precise Triggering

Thanks to the built-in spot laser, the camera takes the necessary images at the exact moment when the container/carriage passes in front of its optics. This guarantees long-term standalone operation and perfect accuracy.

Vidar Container Camera

Imaging

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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.

AICR

AICR range	1.5 − 8 m (4.92−26.25 ft)
Vehicle speed range (at optimal conditions)	0 km/h − 300+ km/h / 0 mph − 190+ mph

Onboard Intelligence

Carmen® AICR onboard	ACCR (ISO 6346, MOCO, ILU), UIC, USDOT
GDS compliance	Yes

Illumination

Wavelength	White LED + 850 nm IR
Illumination modes	Synchronized or continuous
Illumination beam-angle	22°
Variable intensity	Adjustable in 100 increments, parity flash (different intensity for odd and even frames)
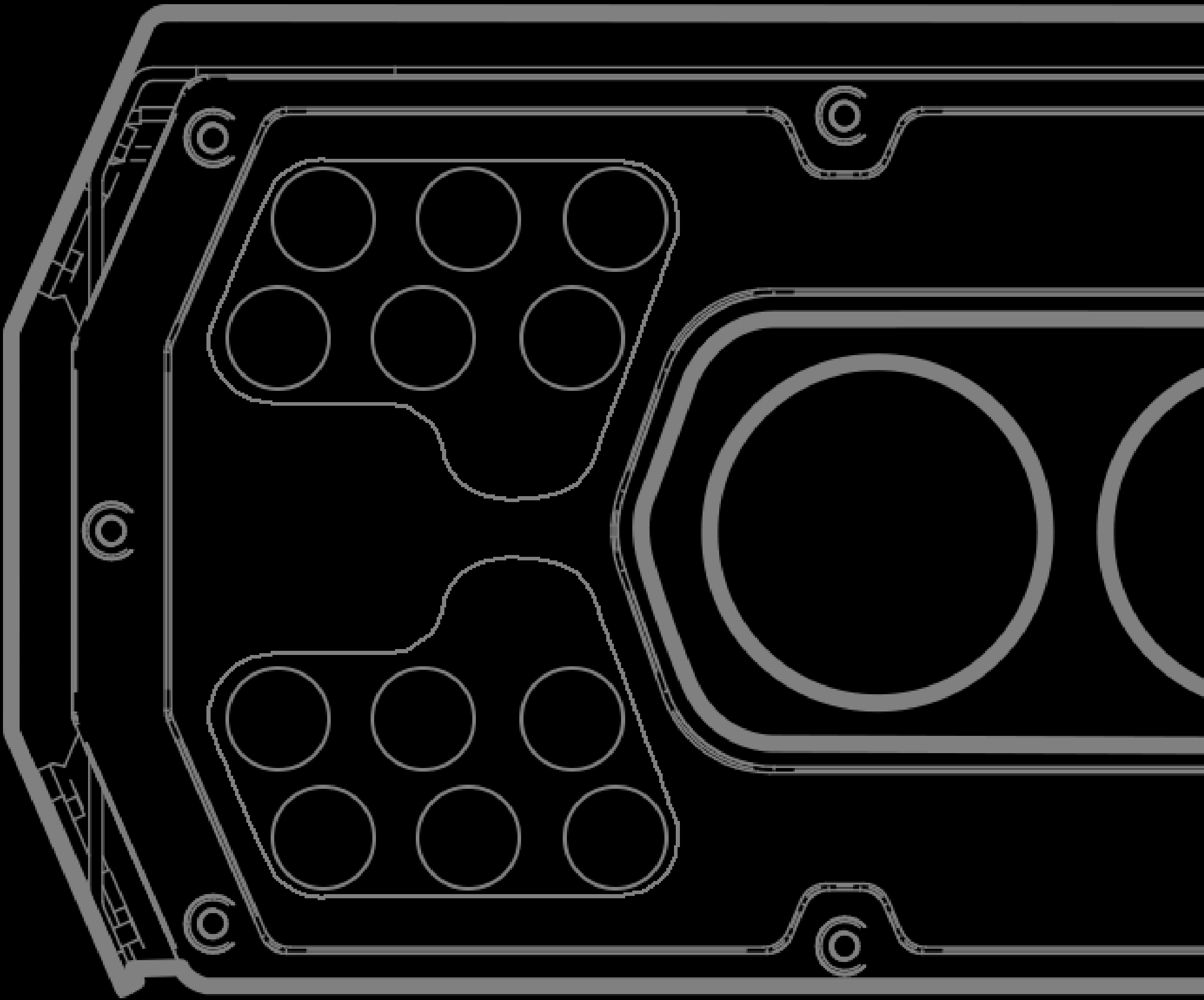
Vidar Container Camera

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	24-28V 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″ × 9.88″ × 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

www.adaptiverecognition.com

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