



Cameras for Speed Measurement and ANPR Vidar Speed

Vidar Speed is an all-in-one speed enforcement device with built-in ANPR, MMR, and vehicle classification, able to detect each passing vehicle without exception and alerts.

MULTI-LANE, MULTI-OBJECT 4D RADAR
For maximum detection rate.

DUAL OPTICAL ZOOM

The second camera acts either as an overview or a second ANPR. Remote setup and managing without perturbation.

ENFORCEABLE EVIDENCE OF SPEEDING

Certified speed measurement with ANPR + MMR data included in the event package.

DETECTION OF ALL PASSING VEHICLES

Thanks to multiple built-in triggers and no downtime.

ON- AND OFFLINE MODES

Real-time data transfer. Internal data storage when offline.

EASY INTEGRATION

HTTPS request, multi-platform compliance, GDS interface with event monitoring.

SPECIFICATION

Imaging		
	Vidar Speed 2xFHD LT	Vidar Speed 5MpHDx LT
Resolution	Sensor 1&2: 2048x1536	Sensor 1: 2432x2048; Sensor 2: 1440x1080
Max FPS	60 @ 1080p	45 @ 3MP on sensor 1 or 120 @ 720p on sensor 2
Sensor	Sensor 1 & 2: Color, 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: 26.5° x 20°; Tele: 8.1° x 6.1°	Optics 1: Wide 25.1° x 21.3°; Tele: 7.7° x 6.4° Optics 2: Wide: 55.7° x 43.2°; Tele: 3.4° x 2.5°
Optical Zoom	Optics 1&2: 3.3x	Optics 1: 3.3x; Optics 2: 18x
Focal length	Optics 1&2: Variable, 15 – 50 mm	Optics 1: Variable, 15 – 50 mm Optics 2: Variable, 4.8 – 84.6 mm
Distance ANPR Range		
Optimal ANPR range at ambient light	15 m – 30 m (50 feet – 100 feet)	
Maximal ANPR range at optimal conditions	40 m (131 feet)	50 m (164 feet)
Maximum ANPR range at "0" lux*	35 m (115 feet)	
Vehicle speed range (at optimal conditions)	0 km/h – 320+ km/h / 0 mph – 199+	
Maximum road width covered (at standard license plate size)	8 m (26 feet)	10 m (33 feet)
Maximum number of lanes	2	

* In the case of reflective license plates

On-Board Intelligence	
Carmen on-board ANPR	V
ANPR Cloud compliant	Coming soon
GDS compliant	V
MMR + Color	V
Vehicle category	V
Video analytics	License plate detection, vehicle direction detection, category
ADR Recognition	V
Radar	
Vehicle speed data	METAS-certified
Measurement range	0 – 320 km/h (199 mph)
Measurement accuracy	±1 km/h (0.6 mph) or ±1 % (the bigger of)
Object tracking	Position, direction, angle, speed
Measurement frequency	24 GHz*
Sample rate	75 ms
Maximum number of lanes covered	4
Maximum number of objects tracked simultaneously	64



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