

# VIPER ALPR CAMERA SOLUTIONS



## Platform

Viper ALPR Standard System w/IR Cameras

Viper ALPR Ext. Temp. System w/IR Camera

## Mango P/N

VIPER-ALPR-V1-STD

VIPER-ALPR-V1-EXT

## Product Overview

The Viper ALPR Camera Solution is a standalone “All-in-one” plug-n-play DSP-Based camera system, that automatically detects vehicle license plates for fixed installations up to speed of 30 mph.

Using advanced ALPR algorithms and simple web-based configuration GUI, the Viper camera performs three functions in Real-Time (R/T): Analyzes the video input, captures vehicle license plates, and sends results to the hosted server over the network (cloud-based solution).

Mango’s Viper ALPR Camera Solution overcomes a variety of challenges, such as:

- Complex installation and setup
- 24/7 True Day/Night (TDN) operation
- Integration with external solutions
- The Viper ALPR Camera Solution suggested app’s:  
Garages, malls, hospitals, universities, sport arenas, parking lots, and military deployments

## Key Features

- Embedded highly-reliable “All-in-one” camera solution
- Pre-loaded DSP-Based R/T ALPR software
- On-Board local storage for hotlists and backup
- High quality video with Highlight Compensation (HLC)
- Field-proven high detection accuracy
- 24/7 True D/N operation with coverage up to 100 ft.
- Web-based configuration
- Cloud-based management
- Secure centralized database services
- Designed for fixed outdoor applications (Gated as well)

## Product Advantages & Benefits

- Offers the best ALPR Camera Solutions in the market – Embedded highly-reliable hardware
- Quick and simple installation - “All-in-one” plug-n-play ALPR camera solution with PoE (Power over Ethernet)
- Eliminates the need for external integrations – Minimal risk of incompatibility
- Enhances accuracy and performance by using high quality TDN CCD sensor with Highlight Compensation (HLC)

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## Technical Specifications

VIDEO	
<b>Input</b>	Compact single channel True Day/Night (TDN) CCD
<b>Output (Optional)</b>	Single Composite BNC 1V p-p 75 ohms
<b>Network</b>	10/100 Fast Ethernet via RJ-45 Connector
SYSTEM	
<b>Processing Unit</b>	Mango DSP's Pegasus-T Intelligent Video Server
<b>Sensor</b>	1/3" Sony Super HAD II CCD 620TVL with D/N Trigger (Day/Night)
<b>IR LED Board</b>	30° #8 IR 850nm with 10 levels of power and delay controls
<b>Lens</b>	Varifocal 5-100mm (Range from 10 ft up to 100 ft)
<b>ALPR Algorithm</b>	Vigilant's Fixed ALPR – 90% or higher detection accuracy
<b>Alarms / Relays</b>	Two TTL Inputs; Two Solid-State Relays; Single SPDT Dry Contact Relay
<b>Power</b>	PoE or 12 VDC @ 1 AMP (Max.) - Optional 24VAC to 12VDC Power Converter
ENVIRONMENTAL	
<b>Form Factor</b>	Compact IP65 outdoor camera housing with integrated IR LEDs Board
<b>Operating Temp.</b>	Standard: -10°C ÷ 50°C (14°F to 122°F); Extended: -40°C ÷ 50°C (-40°F to 122°F)
<b>Certifications</b>	FCC Part 15 Class A, CE EMC Class A, CE Safety , RoHS
<b>Warranty</b>	One year limited warranty
<b>Dimensions</b>	L: 15.75 inches [400mm] W: 5.5 inches [140mm] H: 3.8 inches [96mm]
<b>Weight</b>	1.75 Kg (3.86 lb)

03-2014/EL Version 2.0

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