

# SynVASD- Reader

## VEHICLE ACTUATED SPEED DISPLAY

**SYNERGYLABS VASD Reader** system captures images of vehicles that exceed the speed of your choice. Speeds are detected via radar unit. Violators are photographed and data transmitted to the local network via GSM or LAN network, which you can access from the control room and Images can be used to warn drivers or enforce speed limits.

**SYNERGYLABS VASD Reader**, A RADAR – Camera based technology ensuring continuous traffic safety by detecting vehicle speed with higher consistency and accuracy to helping authorities to manage traffic effectively.

VASD Reader functioning as a violation warning for all those vehicles which cross the maximum allowed speed on that route. It includes high quality image capturing camera, speed display sign board, and built for seamless scaling for enterprise and public services.



### Overview

- **Supports multiple lines** with all types of line combinations
- **Violators** are photographed
- **Advanced** search option
- **Configurable** speed limit as per the requirement
- **Superior Construction** and durability for long lasting performance
- **Technology fully** operational in all weather conditions
- **Speed Display**
- **24\*7 intelligent monitoring** of the road
- **Faster** response time

### System Features

- **View/Zoom/Print** images and extract detailed report of incident
- **Customized** Dashboard
- **Easy/Quick integration** with e-challan system, RTA, VAHAN Database
- **Agnostic** to 3<sup>rd</sup> party Video Management System
- **Cost effective** and low maintenance
- **Customizable** from single lane to 8 lane intersection
- **Interoperable** among various systems
- **Exportable** and viewable reports
- **API/SDK** Available

### Process Flow

- **Detection and Video Capture:** The system automatically detects a vehicle in the camera view using speed detection and capture the incident.
- **Vehicle status alert:** System can generate alert for stolen and hot-listed vehicles
- **Vehicle log module:** The system enables easy and quick retrieval of snapshots, video and other data for post incident analysis.

### Application Area

- **Traffic Enforcement-** Crop off the traffic to improve the traffic flow
- **Highway Junction Monitoring**
- **Smart Cities**



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# SynVASD Reader

Description	Specification
<b>DISPLAY UNIT`</b>	
DISPLAY	3 DIGIT Display
COLOR	RED, AMBER, GREEN
Digit Size	15"
Display size in inches	2'x2 ' overall - LED display 18"x24"
Custom Messaging	Yes
Solar Compatibility	Yes
Weight (without battery)	8 KG
24* 7 Scheduling	Yes
<b>MOUNTING</b>	
MOUNTING	A separate erected pole or existing gentry
<b>RADAR</b>	
RADAR	RS232
RADAR Type	2 D
Protocol	TCP/RTSP, SNMP, NTCIP
Power	230V AC
Operating Temp	-20°C to 65°C
Ingress Protection	IP67
<b>CAMERA SPECIFICATION</b>	
Format	FULL HD 1920 * 1080 pixels
Camera Lens	CS mount , Suitable for day & night time operation
Interface	TCP/IP
WDR	120 db
HLC, BLC	Supported
VIDEO Compression	H.265 & H.265+, MJPEG
Image sensor	1/1.8", 2.0 megapixel, progressive scan, CMOS
Operating System	Ubuntu/windows
RAM	2 GB
Storage	4 GB of Flash(Non-Volatile)
Speed Range	5KMPH to 200 KMPH
Detection Range	100 m
Power Feed	230V AC
WI FI	Wi-Fi 802.11 b/g/n
GSM Inbuilt	Yes (4G/3G/2G)
SIM card size	Standard
Ethernet	Standard wired Ethernet 100 BASE-TX
Outdoor applications	All weather condition
Speed Range	5KMPH to 200 KMPH
Detection Range	100 Meter
Viewing Angle	15 to 30 degrees

NOTE- We also offer customized solution as per the requirement.