

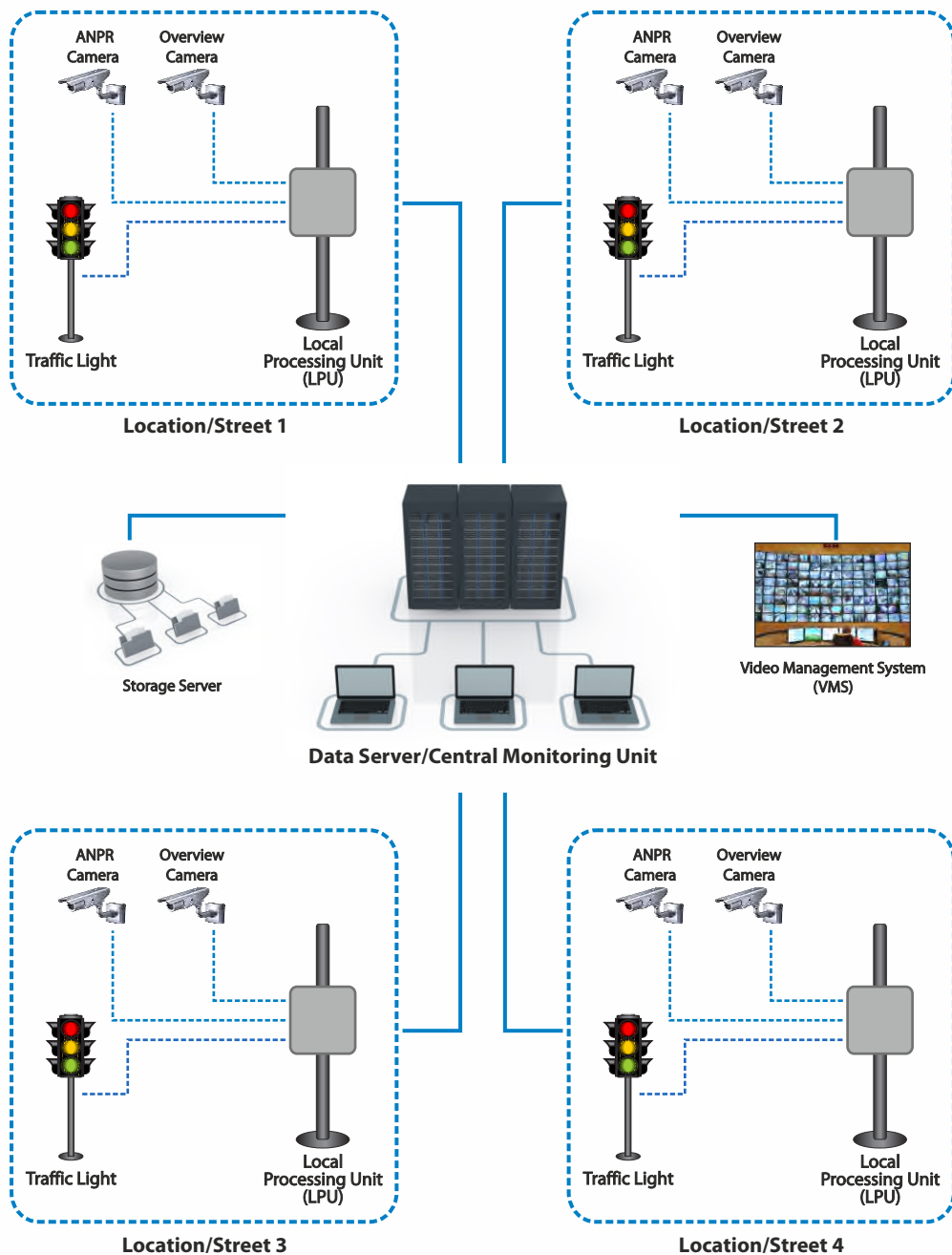
TrafficMon™ - Red Light Violation Detection System



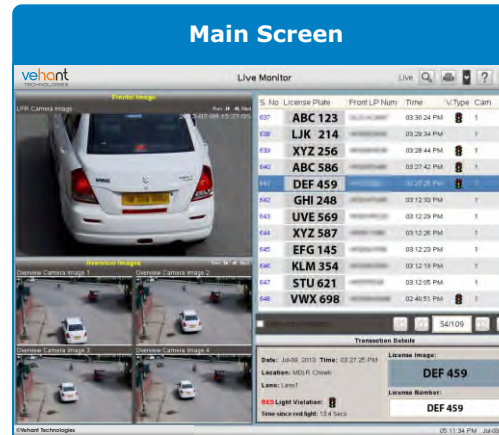
About TrafficMon™

TrafficMon RLVD is the best in class video based Red Light Violation Detection system comprising of overview camera and the ANPR camera. Overview camera shows the entire violation scenario and ANPR camera captures the image of number plate of the violating vehicle. The system takes input from traffic light and starts capturing red light violation as soon as traffic signal turns red. It does not require lane disciplined traffic for violation detection. TrafficMon RLVD comes with the state of the art, user-friendly Graphical User Interface (GUI) for seamless operation.

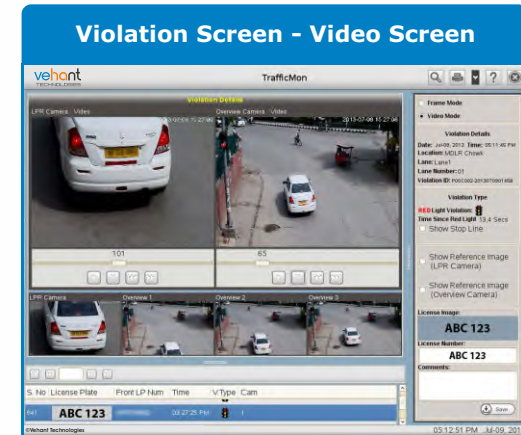
System Architecture



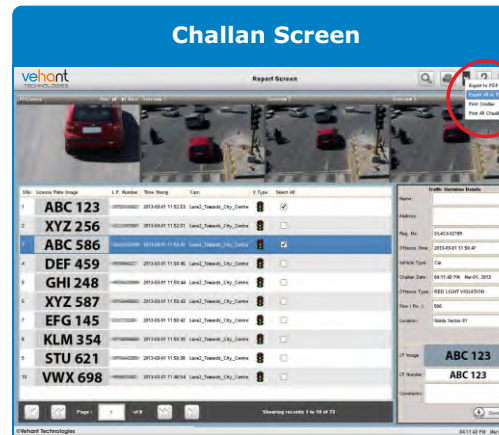
Graphical User Interface



Main Screen displays the live transactional data from connected traffic crossings, including the number plate of the vehicles, location, time and time since red light.



The violation Screen provides evidence of the red light violation including video stream, few seconds before and few seconds after, of the violation.



Challan Screen displays the list of red light violating vehicles as per user-defined criteria with details including vehicle number plate, location and time stamp. The operator uses the information to validate and print the challan.



Specimen copy of e-challan (It can be customised as per client's requirement).

Technical Specifications

Overview Camera	Lane Coverage	2 to 3 Lanes
	Resolution	5 Megapixel and above
	Shutter Speed	1/50 to 1/10000
	Operating temperature (°C)	0 - 50
	Lens	Wide angle
ANPR Camera	Interface	IP
	Format	HDTV 720p/1080p
	Resolution	1 Megapixel and above
	Shutter Speed	1/50 to 1/10000
	Operating temperature (°C)	0 - 50
	Frame Rate	25/30 fps
	Varifocal	- 5 - 50 mm
	Electronics IRIS	- DC Type
IR Illuminator	Control	
	Mount	- CS
Camera Housing	Wavelength	850nm (Semi Covert)
	IR Illuminator Range	10 - 15m
	Environment Protection	IP 65
Camera Housing	Environment Protection Housing	IP 65/ IP 66
Processing Unit	Processor	Intel Pentium (2.4 Ghz) or better
	RAM	2 GB
	Hard Disk Capacity	500 GB
Speed Limit		120 Km/hr [#]
Installation and Mounting		Pole Mounted/Overhead Gantry

Key Features

- Video based Red Light Violation Detection system
- Does not use any inductive loop sensors/radar
- Takes input from traffic light and starts capturing red light violation as soon as traffic signal turns red
- Contains ANPR camera(s) and an Overview camera
- Violation evidence capturing module
- Does not require lane disciplined traffic for detection
- User friendly Graphical User Interface (GUI)
- Speed limit can be increased with different set of hardware
- Automated 24X7 operation



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*specifications are subject to change without prior notice
#higher speed system also available as an option