



VRS-DCI201a IMAGING UNIT

Hi Speed Solution for Safe City, Enforcement and Traffic Management

The VRS-DCI201a Hi speed imaging unit is based on a pair of industrial progressive scan cameras with customized illumination. It yields high LPR recognition results in all weather conditions, in a broad spectrum of security, enforcement, and traffic installations. It is powered by the Controller Application which can be configured to support a wide range of configurations and integrations.

Proven technology

The highly reliable imaging unit features state-of-the-art hardware, along with powerful HTS license plate recognition (LPR) software and additional detection and recognition features.

The VRS-DCI201a camera/illumination unit is optimized for high performance, high and medium speed installations. It can also be used in a variety of installation configurations, such as open road gantries, secured compounds, parking facilities, shopping centers and airports. The unit can be used for either front or rear captures.

These imaging Units are deployed on over 1,000 safe city lanes, handling a diverse range of license plate types from different Countries and states, and running with an extraordinary uptime in a wide range of weather conditions and in tough environments.

Software

The Controller Application runs on a Digital Processing Unit which connects to the VRS-DCI201a image unit over a Gbit connection. It provides LPR output, archives the images and exports the results. The system can be triggered by various hardware and software triggers.

The system options include Car Make identification and instantaneous Car Speed.

Versatile integration

The feature rich VRS-SeeControl management system provides easy and flexible integration, installation and configuration, as well as valuable reporting, informative statistics and robust monitoring, along with powerful event and alarm management. It is fully web-enabled, supporting these functions from any standard browser.

Hardware features

- 2 rugged Mega Pixel CCD cameras (for LPR and Overview imagery)
- Vandal proof IP66 housing for outdoor or indoor applications
- Integrated laser unit for detection
- All weather conditions (-30°C - 70°C)

Software features

- Supports vehicle speeds up to 250 km/hour (150 miles/hour)
- Hardware and software (VMD) triggering capabilities
- Rich configuration options
- Integrates via simple and friendly API based on Windows WCF and XML

Specifications

Camera	
Sensor Type (2 cameras)	1/1.2" CMOS Global shutter, B&W and Color
Lens	Standard: Fixed 35mm, 50mm, 75mm, 100mm
Camera Interface to controller	GiGe
Active Pixels	1920(H) X 1200(V) (2 Mega pixel)
Built in illumination (8 powerful LEDs)	IR (4 LEDs) and White (4 LEDs), or IR (8 LEDs)
Auxiliary Illumination unit	L200 (48 LEDs)
Max working distance	20m/25m/30m, 50m
Frame rate	Up to 40 frames per second
Software	
Controller application	SeeWay
Basic functions	LPR, Jurisdiction (plate type)
Optional functions	Car make, Car Speed
Video compression	Jpeg; H264 optional for live video
Trigger options	Integrated laser, VMD, Loop detector
Image files outputs	Overview, cropped plate; configurable options
Mechanical and Environmental	
Dimensions	310 (L) x 270 (W) x 150 (H) mm
Weight	7.8 Kg
IP rating	IP66
Connectors	RJ-45 x 2, Power & I/O
Operating temperature	-30°C to +70° C
Power requirement	24VDC, 30W
Adjustment Angles	3 (up/down, right/left, rotation)
Mounting bracket	Pole mount, Gantry mount, Wall mount
Safety and Regulatory Compliance	
Quality	ISO 9001-2008
CE regulation	YES