



# VRS N70 IMAGING UNIT

## LICENSE PLATE RECOGNITION WITH EXTENDED RANGE

VRS-N70 imaging unit Vandal Proof 2MP IP camera with customized illumination for optimum LPR performance in low light and all weather conditions, for essential logistics and security performance.

VRS-N70 provides precision and efficiency in low to mid speed, access control, parking and security/surveillance applications, including critical facilities for all license plate types. Its state of the art sensor extends the operational range to suit open road installations.

### Proven technology

The highly reliable compact VRS-N70 unit features state-of-the-art hardware along with powerful patented PC-based HTS license plate recognition (LPR) and VRS-SeeControl management software. The hardware is optimized specifically for high performance with HTS software applications. For maximum effectiveness, the VRS-N70 should be implemented with the VRS Lane Controller, specifically engineered for optimum accuracy, confidence and vehicle recognition solutions.

HTS Imaging Units and value added HTS solutions are proven in over 40 countries worldwide, including the 50 states of the United States. Sophisticated HTS algorithms identify both the state and country of any license plate.

The VRS-N70's live IP video streaming adds functionality to real-time monitoring applications, providing both an image of the license plate and video stream of the event.

### Versatile integration

The VRS-N70 IP connectivity supports a distributed network of VRS-N70 imaging units over large single and multi-site applications. The VRS-N70 unit is controlled by a locally mounted VRS lane controller, or the unit can be managed remotely.

Up to eight VRS-N70 units can interface simultaneously to a single VRS Lane Controller for maximum efficiency, performance and cost-effectiveness.

### Simple management

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

- Rugged compact 2M IP camera with live streaming for 24/7 operation
- Vandal proof IP66 housing for outdoor or indoor applications
- IR illumination for all environments and license plate types
- Power over Ethernet

## Operational features

- Extended effective range
- Supports vehicle speeds up to 80 km/hour (50mph)
- Features hardware and software (VMD) plate finder capabilities
- Motorized lens for remote management and control
- Programmable capture sets for day/night optimization

## Specifications

Camera	
Sensor Type	CMOS (1/2.8") SONY Starvis
Shutter Type	Progressive scan (rolling shutter), True WDR
Lens	10x AF Optical Zoom Lens (5mm to 50mm)
Effective Pixels	Full HD (1945x1097)
Distance	3m – 25m (10 ft. - 80 ft.)
Angle of view	54.0° (H) ~ 4.9° (V)
Built in illumination	IR 850nm, IR 730nm, White
IR Filter	Included
Operation	
Video compression	H.264 (Baseline, Main, High Profile)/MJPEG
Frame rate	25/30fps and 50/60 fps
Triggers	Hardware and Software (VMD)
Mechanical and Environmental	
Weight	1.2 kg (2.7 lbs.)
IP rating	IP66
Vandal rating	IK10
Connectors	RJ-45, Power & alarm I/O
Operating temperature	-30°C ~50°C / -22°F ~122°F
Power requirement	PoE+ (23W, IEEE802.3at class4 only), DC12V (19.2W)
Safety and Regulatory Compliance	
CE regulation	YES

### Dimensions are in mm

