



# VRS N60 IMAGING UNIT

## LOW-SPEED ACCESS CONTROL, PARKING AND SECURITY APPLICATIONS

The HTS VRS N60 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.

The N60 provides precision and efficiency in low-speed & short-distance access control, parking and security applications, including critical facilities for all reflective and non-reflective license plate types.

### Proven technology

The highly reliable compact N60 unit features state-of-the-art hardware along with powerful patented PC-based HTS license plate recognition (LPR) and See-Control management software. The hardware is optimized specifically for high performance with HTS software applications. For maximum effectiveness, the VRS N60 should be implemented with the HTS 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 N60's live IP video streaming extends functionality to real-time monitoring applications, providing both an image of the license plate and video stream of the event.

### Versatile integration

The VRS-N60 IP connectivity supports a distributed network of N60 imaging units over large single and multi-site applications. The N60 unit is controlled by a locally mounted HTS VRS lane controller, or the unit can be managed remotely.

Up to eight N60 units can interface simultaneously to a single HTS VRS Lane Controller for maximum efficiency, performance and cost-effectiveness.

### Simple management

The feature rich See-Control 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 IP67 housing for outdoor or indoor applications
- White and two types of IR illumination for all environments and license plate types
- Motorized lens for remote management and control
- Power over Ethernet
- All weather conditions (-40°C - 60°C)

## Software features

- Supports vehicle speeds up to 40 km/hour (25 miles/hour)
- Provides alerts in multiple message formats
- Features hardware and software (VMD) triggering capabilities
- Integrates via simple and friendly API based on Windows WCF and XML
- Transmits small data file for quick processing, low bandwidth and effective storage

# Specifications

Camera	
Sensor Type	1/3"
Shutter Type	Progressive scan (rolling shutter)
Lens	Motorized 3-10mm
IRIS	P-IRIS
Effective Pixels	1920 x 1080
Field of view	2.5 - 4.5m (8.2 – 14.8 ft.)
Built in illumination	Warm White, IR 850nm, IR 730nm
Working distance	2m – 10m (6.5 – 32 ft.)

  

Operation	
Video compression	H.264/MJPEG
Frame rate	25/30/60 fps
Web server	Yes (IE 8.0 or above)
Network protocols	HTTP, TCP/IP, UDP, RTP, RTSP, SNMP, NTP, ONVIF
Triggers	Input/Output
Security	Multi-level passwords /HTTP encryption

  

Mechanical and Environmental	
Dimensions	225 mm (H), Φ121mm
Weight	1.9kg (4.2 Pounds)
IP rating	IP67
Vandal rating	IK8
Connectors	RJ-45, Power & alarm I/O terminal block
Operating temperature	-40°C~60°C / -40°F~140°F
Power requirement	POE+ 802.3at / 12VDC / 24VAC
Power consumption	20W max
Operating humidity	90% RH (no condensation)

  

Safety and Regulatory Compliance	
FCC	YES
CE regulation	YES