



A Division of Quest Solution Inc.

LC 3000/3100 Lane Controller

Powerful Communication Between Imaging Units and VRS-SeeControl

The VRS Lane Controller is an essential real-time hardware communication interface to and from HTS Vehicle Recognition Imaging Units and the HTS Vehicle Recognition System.

The VRS Lane Controller also interfaces to related vehicle hardware and applications, such as gate operation and traffic control systems, Wi-Fi and GPRS solutions.

The VRS Lane Controller processes vehicle information received from the imaging units, such as vehicle identification or device functioning status, and transmits this data to the VRS SeeControl server via WLAN, LAN or Ethernet. The VRS server communicates through the lane controller back to the imaging units—delivering information such as configuration instructions or event triggers.

The device meets the demand of vehicle recognition applications such as safe city and enforcement as well as traditional lower volume uses such as access control, critical-site security and management and parking control.

Price-Performance

Supporting many imaging units per controller and requiring only 35 watts of power, the HTS VRS Lane Controller is extremely cost effective.

Size Savvy and Environmentally Conscious

The VRS Lane Controller is available in a small fan-less design housing for VRS installations. Optionally, an auxiliary cabinet provides additional protection from temperature, weather and other extremely demanding conditions, providing a secure environment and the infrastructure to support all VRS functionality and physical connection requirements.

High Availability

The VRS Lane Controller is highly reliable, with built-in redundancy as well as sophisticated diagnostics and maintenance utilities.

Specifications

The lane controller is available in 3 configurations – LC3000, LC3100 and LC3100 extended.

System	Common Features	LC3000: Lane Controller	LC3100: Lane Controller & VRS Server in One	LC3100 Extended
CPU	8 Cores 9 th gen Intel® Core™ i7-9700 TE (Coffee Lake)			
Memory	2 DDR4 2666MHz SO-DIMM	8GB	8GB	16GB
Dimensions	260mm x 175mm x 79mm (10.2" x 6.9" x 3.1")			
Mounting	Wall mount - by mounting bracket 2U Rackmount (optional); DIN Rail mount (optional)			
Power Input	35W			
Voltage	6V to 36V, DC-in			
Weight	3.8 kg (8.38 lb.)			
OS Support	Win10, Linux			
Certifications	CE, FCC, EN50155, EN50121-3-2			
Controller App		√	√	√
SeeControl ⁽¹⁾			√	√
MS SQL express			√	√

Note 1: SeeControl requires purchase of "SeeControl Management - Application & SDK".

Interfaces		256 GB	256 GB	1TB
Storage	SSD	256 GB	256 GB	1TB
Serial	4 COM RS-232/ 422/ 485			
LAN	4 Gige			
USB Ports	6 USB 3.1 (External)			
DVI	2 ports.			
Expansion	2 SIM card socket (External)			
GPIO	16 Isolated DIO (Optional)			

Environment	
Temperature	Fan-less; -40°C to 75°C
Humidity	5% to 95% Humidity, non-condensing
Vibration During Operation	IEC 60068-2-64 SSD : 5 Grms, 5Hz to 500Hz, 3 Axis
Shock Protection	- IEC 60068-2-27 - SSD : 50G @ wall mount, Half-sine, 11ms