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

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 HTS VRS Lane Controller offers the essential communication relay with remote imaging units.

The device meets the demand of high-speed, high-volume open road 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.

Outstanding price-performance

Supporting many imaging units per controller and requiring only 40 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 yet ruggedized industrial NEMA-compliant housing for harsh environments, such as outdoor 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

General	LC2000: Ruggedized Lane Controller	LC2100: Ruggedized Lane Controller and VRS Server in One
Certifications	CE, UL, RoHS, CCC, CSA, FCC	CE, UL, RoHS, CCC, CSA, FCC
Dimensions	25.5 x 15.2 x 6.9 cm (10 x 6 x 2.7 inches)	25.5 x 15.2 x 6.9 cm (10 x 6 x 2.7 inches)
Mounting	Wall mount	Wall mount
Power consumption	40W typical	40W typical
Voltage	9-39 VDC AT/ATX	9-39 VDC AT/ATX
Weight	3 kg	3 kg
OS Support	Windows 7 Pro	Windows 7 Pro
System Hardware		
CPU	Intel® Core™ i7	Intel® Core™ i7
Memory	4GB DDR3 SDRAM built in	8GB DDR3 SDRAM built in
PC/104 Slot	PC/104 slot supports + 5V and 3.3V power	
Storage	120GB SSD	256GB SSD
I/O Interfaces		
Serial Ports	2* RG-232 *RS-232/422/485 with DBS connectors, automatic RS-485 data flow control	2* RG-232 *RS-232/422/485 with DBS connectors, automatic RS-485 data flow control
LAN	4* Intel 10/100/1000 base-T RJ45 ports	4* Intel 10/100/1000 base-T RJ45 ports
USB Ports	6 USB 2.0	6 USB 2.0
Environment		
Humidity	95% @40° C (non condensing)	95% @40° C (non condensing)
Operating Temperature	-10° to 60° C (14°-140° F)	-10° to 60° C (14°-140° F)
Shock Protection	IEC 600068-2-27 CompactFlash 50G@ wall mount , half sine 11ms HSS 20G wall mount, half sine 11 ms	IEC 600068-2-27 CompactFlash 50G@ wall mount, half sine 11ms HSS 20G wall mount, half sine 11 ms
	IEC 60068-2-64 Compact flash 2 Gms @5 Hz to 500 Hz	IEC 60068-2-64 Compact flash 2 Gms @5 Hz to 500 Hz

- Also available in Rack Mount Configuration: LC 1000, LC1100