



QLC3100

Multi-Lane and Central Controller



Communication Between Imaging Units, Lane Controllers and VRS-SeeControl Management Platform

The QLC3100 Central Controller for SeeControl is an essential real-time hardware communication interface to and from omniQ Vision Vehicle Recognition Imaging Units along with single and multiple lane controllers and the omniQ Vision Vehicle Recognition SeeControl Management Platform. The omniQ Vision Central Controllers also interface to related vehicle hardware and applications, such as gate operation, omniQ Vision PERCS™ and access control systems.

Versatile integration

The QLC3100 Multi-Lane Controller processes vehicle information received from the imaging units, such as vehicle identification or device functioning status, then transmits this data to the VRS-SeeControl via WLAN, LAN or Cellular. The VRS SeeControl application communicates through the lane controllers back to the imaging units – delivering information such as configuration instructions or event triggers.

The omniQ Vision QLC3100 Central Controller offers the essential direct communication with remote imaging units, lane controllers and our SeeControl Management Platform. The device meets the demand of vehicle recognition applications such as safe city and enforcement as well as access control, critical-site security along with all parking access and revenue control requirements.

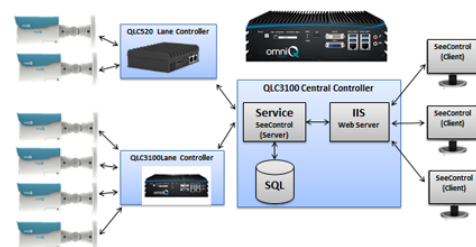
Size Savy and Environmentally Conscious

The QLC3100 Lane Central Controller is available in a small fanless design housing for omniQ Vision 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 omniQ Vision functionality and physical connection requirements.

High Availability

The omniQ Vision Central Controller is highly reliable, with built-in redundancy as well as sophisticated diagnostics and maintenance utilities.

System Architecture-Mixed Use Controllers



QLC3100

Specifications



System

CPU	Intel® 9th gen, 8 Cores i7-9700TE
Memory	2 DDR4 2666MHz SO-DIMM 8GB and 16GB on the Extended Version
Dimensions	260mm x 175mm x 79mm (10.2" x 6.9" x 3.1")
Mounting	Wall mount - by mounting bracket 2U Rackmount (Optional)
Power Input	35W
Voltage	6V to 36V, DC-in
Weight	3.8 kg (8.38 lb.)
OS Support	Win10/Linux
Certifications	IEC, CE, FCC, EN50155, EN50121-3-2
Controller App	Q-LC3100
SeeControl (1)	Q-LC3100, Q-LC3100 Extended

Interfaces

Storage	SSD 256 GB, Q-LC3100
Serial	Extended 1TB
LAN	4 COM RS-232/ 422/ 485
USB Ports	4 Gige
DVI	6 USB 3.1 (External)
Expansion	2 ports
GPIO	M.2 e-key 16 Isolated DIO (Optional)

Environment

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

System Architecture-Mixed Use Controllers

