

Container Code Reader (CCR)

perceptics
imaging technology solutions

Container Code Reader System (CCR)

Perceptics Imaging Technology Solutions are the systems of choice by U.S. and Canadian customs border agents. Perceptics now offers seaports and other ports of entry a highly accurate, automated Container Code Reader System which images and uniquely identifies each intermodal container codes for security and asset management purposes. The Container Code Reader easily integrates with the Perceptics License Plate Reader and Driver Imaging and RFID Systems for a complete identification and imaging solution, providing port operators definitive asset tracking capabilities

Digital images are captured in real time and our precise Optical Character Recognition technology translates images into data, which is then communicated to the terminal operating system.

The Container Code Reader quickly processes the universal ISO codes on containers for ownership, cargo origin and destination details.

Container Code Reader Benefits & Features

The Perceptics Container Code Reader system out performs other imaging systems for several reasons:

- Correctly identifies the four character owner code, six digit serial number and check digit
- Network interface protocol allows for easy integration with other security devices or with multiple Perceptics Imaging devices
- 95% accuracy reads on container ownership, cargo origin and destination
- Real time risk and asset management appraisal
- Able to process any combination of containers (20' up to 45' and 2, 20' containers)
- Renders a quality image of containers moving at speeds up to 40 MPH
- Read results in less than one second after last image is captured and during day and night time lighting
- Environmentally controlled enclosures perform well in any weather condition
- Operates 24/7 under any ambient lighting condition
- Can optionally read country code and container type codes

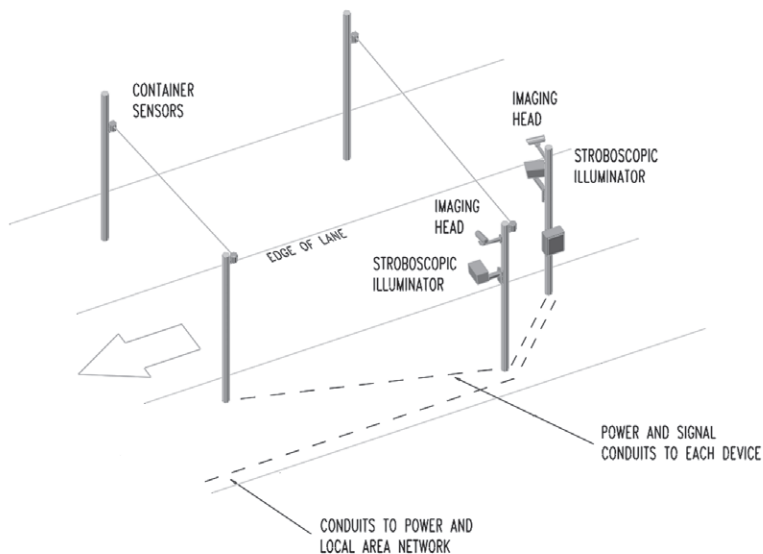


Container Code Reader System Technology

The [Container Code Reader System](#) architecture is open-ended to allow for easy integration of the following components:

- [License Plate Reader System](#) – Perceptics LPR systems have a guaranteed 95% accuracy and reads retro- and non-retro-reflective plates. Our License Plate Reader System automatically detects and counts every vehicle.
- Driver Imaging System – Captures an image of either a driver or passenger at commercial vehicle height and displays the images alongside license plate images within the Vehicle Inspection System (VIS) software.
- Scene Camera: Optional scene camera captures an image of the vehicle and displays within our Vehicle Inspection System (VIS) software as a single driver transaction.

Container Code Reader Lane Diagram to Read the Side and Rear of a Single Container



Container Code Reader System Architecture

An inspection lane of commercial traffic outfitted with a [Container Code Reader System](#) configured to read ISO codes on a container's side and back include:

- Two sets of Through-Beam Sensors
- Two Stroboscopic Illuminators
- Two individual monochrome imaging heads
- Optional Scene Camera
- Power junction box
- Lane Enclosure with Network Video Processor

Container Code Reader system components are based on a modular design concept that allows for easy exchangeability and expansion. There is no single point of failure, because each lane has operating independence, thus providing redundancy for multiple lane installations.

ISO 9001:2008 – Certified Quality Management System
CCR1110 for version control
CE Certified

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