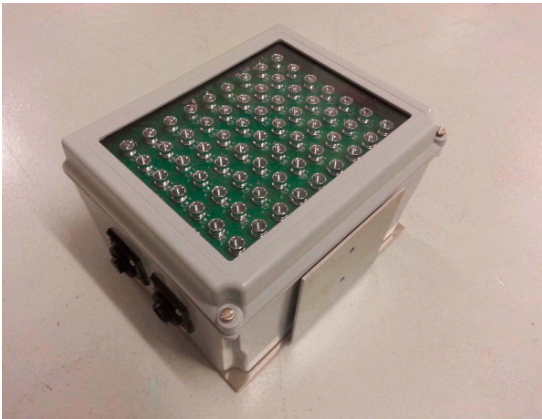


Sighting Pro™ Extreme Camera Series



The absolute latest technology for 24 hour all weather ALPR ready image capture for both single lane and open road systems. Modular extensible design uses commercially available products and standard interfaces which guarantees a long product lifecycle and future availability



- Color or IR Cameras with Resolutions up to 9.1 Megapixels

- Self Triggering via Integrated Vehicle Detection Laser

- Aluminum Case and Sun-shield for Rugged Harsh Environments

- Web based Focus and Zoom Controls for Ease of Alignment

- Visible or IR Illuminator options

- Operates from -20 to 60 degrees C.

- Ethernet for Lane Controller Interface and Remote Triggering

Front Color Image - 2 MP



Rear Color Image - 5 MP



Camera

The camera is a fully digital unit using a global shutter. Resolution ranges from 0.6MP to 9.1 MP. Both CCD and CMOS camera options are available. The video quality lens has remote focus and zoom (12-75mm). The camera controlled lens iris provides the dynamic range required for quality images in all lighting conditions.

Processor

The TDS Sighting Pro camera systems contain an Intel latest generation core technology processor which provides the processing power necessary for high volume traffic applications. The unit is able to upload images and status data over a 10/100/1000 Ethernet interface using protocols including FTP, SFTP, HTTP, or custom. A 512GB solid state drive provides local storage for images and the onboard database.

Illuminator

The TDS LED illuminator products provide pulsed flash illumination to enable photo capture during low light conditions. The illuminator strobe is only activated during the exposure period which is less than 1 millisecond resulting in a flash that is barely noticeable to humans. The unit consumes less than 1% of the power required for an equivalent halogen bulb and has a life expectancy of 10+ years. Illuminators are available in visible (cool white) and IR frequencies. The illuminator also features 2 user selectable intensity levels for short or long trigger distances. Another feature is a user configurable group of LEDs that can be set to be constantly on in order to alert drivers that a camera is in use.

Optical Character and Symbol Recognition

The TDS onboard OCR engine leverages the high quality of the images provided by the TDS Sighting Pro camera system. The OCR engine can quickly locate the plate in the image and deliver outstanding read rates that meet the high accuracy requirements of modern traffic applications. Additional recognition algorithms allow for the identification of state-of-origin and symbol detection for identifying non-character unique vehicle identifiers such as California Low Emission Vehicle stickers.

Enclosure

The camera is enclosed in a sealed aluminum enclosure with an sunshield for operations in rugged environments. A thermostatically controlled heater prevents window fogging. The camera is normally equipped with a zoom lens with variable iris that can be controlled and focused from a remote location. The camera system will operate from -20 to 60 degrees C. It includes a laser ranger for auto triggering. Input voltage range is from 110 to 240 volts at 50/60 Hz. An external 24VDC 10A power supply is included for powering the enclosure cooling unit. Total system power consumption at 120VAC is 1 ampere.

Applications

The TDS Sighting Pro Extreme camera systems is designed specifically for HOT and ORT lanes. The laser vehicle detector provides a shaped beam pattern which detects all vehicle types including motorcycles that is independent of the horizontal position of the vehicle in the lane.

Front IR Image - 2 MP



Contact Info

Tony Hasselbring
619 295-5050
www.transportdatasystems.com

