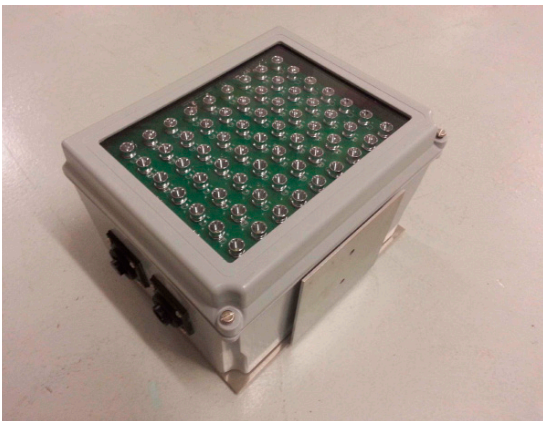


Sighting Pro™ Extreme Camera Series



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



- Available with a Variety of Different Camera Imagers, Resolutions and Frame Rates

- Built-In Laser Ranger for Self Triggering

- Aluminum Case and Sunshield for Rugged Harsh Environments

- Remote Digital Focus, Iris and Zoom Controls for Ease of Alignment

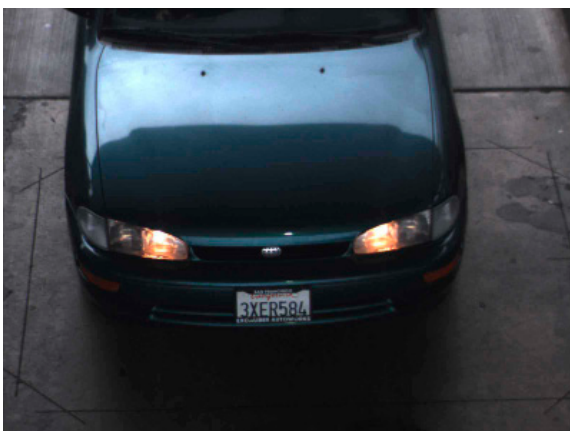
- Visible or IR Illuminator options

- External Trigger via Ethernet and Self Triggering

- Operates from -20 to 60 degrees C.

- Ethernet Interface for Easy Integration

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 5th generation core technology processor which provide the highest performance at the lowest power. It provides the processing power necessary for high volume traffic applications. The interface is Ethernet 10/100/1000. The unit is able to upload images and status data over a variety of interfaces and protocols including FTP, SFTP, HTTP, MySQL, Oracle, Postgres, SMB, or custom. An optional Ethernet fiber extender system allows the cameras to be located up to 1500 feet from your lane processor.

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 OCR engine leverages the high quality of the images provided by the TDS Sighting Pro camera systems to quickly and accurately locate the plate in the image and deliver outstanding read rates. The TDS reader can be "trained" to a single plate style or to multiple styles to maximize the level of automation and reduce manual labor costs. Additional recognition algorithms allow for the identification of state of origin. The engine includes symbol recognition for identifying non-character symbols and unique vehicle identifiers such as California Clean Air 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 110VAC is 3 amperes.

Applications

The TDS Sighting Pro Extreme camera systems is designed specifically for HOT and ORT lanes.

Front IR Image - 2 MP



Contact Info

Dick Hasselbring
VP, Business Development
619 295-5050
www.transportdatasystems.com

