



Features

- Fully integrated license plate capture system: imager, illuminator, processor, and relay controller
- All-in-one solution for quick and easy installation
- Provides up to 60 images per second
- Continuous day/night operation, with high contrast images in complete darkness and in direct sunlight
- Weatherproof enclosure with hinged three point locking door
- Network capable via TCP/IP

The DTE120 is designed to provide an All-In-One solution for Automated License Plate Recognition (ALPR). It is an all inclusive device from imager to processor to the optional gate controlling relays and can provide all the components needed for an effective ALPR solution.

The heart of the DTE system is the integrated imaging and infrared (IR) illumination system capable of collecting up to 60 high contrast images per second and making the system flexible enough to work in slow or high speed traffic applications. The imager offers a variable multi-shutter table arrangement providing excellent results in daytime, in darkness, or in situations involving direct sunlight and even oncoming headlights - conditions which cause other ALPR solutions to fail. The IR illumination is pulsed in synchronization with the multi-shuttered imager, thereby guaranteeing both a longer effective range of operation and a greatly extended life cycle.

The DTE includes an integrated data processing unit (DPU) preloaded with InSignia software and comes out-of-the-box ready to provide automatic license plate recognition. Each unit can be configured, via the onboard relay capability, for controlling gates, lights, alarms or other types of relay actuated equipment.

INEX/ZAMIR DTEs are deployed around the world in a variety of applications, most notably parking lot revenue management and access control systems. The DTE120 offers the ability to be deployed without the necessity for external triggers via our patented Virtual Vehicle Detector which captures and reads license plates once they enter the field-of-view of the camera. Alternatively, each DTE can quite easily be configured to accept the input of an external trigger should it be required.

Any solution using the DTE All-In-One and the INEX/ZAMIR InSignia ALPR software suite will provide performance that exceeds expectations for real-time license plate recognition.

Model Number

DTE120..... Base model

General

Maximum operating range..... 50 feet (15 meters)
 Vehicle speed range 0 to 100 mph (0 km/h to 160 km/h)
 Distance from DTE to DTE-Slave..... 1,500 ft (450 m) with proper coaxial cable

Operational

Illumination..... Pulsed array of 120 IR LEDs.
 Minimum Operating Luminance..... 0 Lux
 Shutter..... User selectable mutli-shutter (up to 4 settings)
 Shutter range..... 1/2,000 to 1/100,000 seconds
 Synchronization..... Internal
 Video Output Level..... 1.0Vp-p, 75 Ohms
 Trigger Input..... Dry contact closure
 Communication Output..... 100BaseT TCP/IP connection for remote access to processing unit.
 Optional output relays..... Up to 4 relays, 20A max current

Imager

Scanning System..... EIA: 525 TV lines (H), up to 60 images/sec
 CCR: 625 TV lines (H), up to 50 images/sec
 Image Device..... Interline transfer CCD
 Image Sensor..... 1/3"

Electrical

DC Voltage..... 110 – 220Vac 50-60 Hz
 Power Consumption..... 500 Watts RMS

Mechanical

Lens Mount..... CS Mount (varifocal lens provided)
 Dimensions (W x H x D)..... 12 in x 36 in x 12in
 (304mm x 914mm x 304 mm)
 Unit Weight..... 40 lbs (18 Kg)
 Housing Construction and Finish..... 11 Gauge Steel, Epoxy paint
 Cable Entry..... From bottom of unit
 Mount..... 1/2" cast in place or drilled anchors

Environmental

Operating Temperature..... -4 F to 122 F (-20 C to 50 C)
 Storage Temperature..... -40 F to 152 F (-40 C to 70 C)
 Humidity..... 0% to 85% non-condensing

Regulatory

Emissions..... FCC Part 15 Class B, CE, Class B
 Certification..... CE
 Safety..... Class 1 LED Product

Processing Unit

Operating System..... Microsoft Windows XP Pro, SP2
 CPU..... Intel Pentium M 1.8 GHz or faster
 Memory..... 1GB DDR, minimum
 Storage Capacity..... 40GB hard disk drive, minimum
 Communications Option..... 10/100 Ethernet
 Optional: RS232, RS422, Wiegand, 802.11x wireless,

Specifications are subject to change without notice.

