

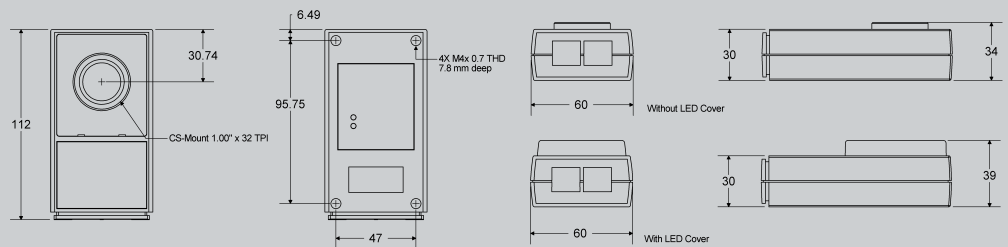
# Legend 500 Series

## Model 510 SmartImage Sensor

### Legend 510

### specs

|                        |   |
|------------------------|---|
| Size                   | 112mm x 60mm x 30mm (not including lens)  |
| Mounting               | Four M4 threaded holes (on the back of unit), 7.8mm depth   |
| Weight                 | 170g/6oz (without lens or integrated light)   |
| Power Requirements     | 24V DC, 210mA (or minimum 5W supply), regulated and isolated. Additional 5W required for integrated light option. Additional power required for DVT LED lighting.   |
| Operating Temperatures | Operating Temperature: 0-45° C, 32-113° F   |
| Image Sensor           | 5.0mm x 3.7mm (1/3" format) CMOS, 640 x 480 pixel resolution, 7.8µm x 7.8µm pixels  |
| Electronic Shuttering  | 10 µs – 1 second exposure times   |
| Optics                 | CS mount standard, C mount-capable with optional adaptor  |
| External Port          | RJ-45 for 10/100 Mbps Ethernet communications, 10 pin keyed modular connector for power and digital I/O   |
| Digital I/O            | 24V DC regulated, 8 configurable inputs and outputs, NPN (current sinking) inputs, PNP (current sourcing) outputs, active high signals. Inputs can sink up to 1.5mA and outputs source a maximum of 50 mA |
| Certifications         | CE certified  |



Note: All Units in mm.

## Communications

DVT systems are independent information sources on your factory floor. They can make decisions locally based on the outcome of inspections while passing information about that process to other devices on the factory network. The Legend Family can talk to any device with the aid of a computer, but the true power of the system is in exchanging data directly between devices.

### Physical Networks Supported

- Ethernet
- DeviceNet\*
- Profibus\*

### Protocols Supported Over Ethernet

- Raw TCP\*\*
- Modbus/TCP
- Rockwell EtherNet/IP

### Built-in Industrial Drivers

- ABB
- Fanuc
- Motoman
- Kuka
- Kawasaki
- Reis
- Yamaha
- IAI
- Others

\*Requires DVT SmartLink

\*\*Many Industrial Controllers Support Raw TCP either through ethernet or through an ethernet to serial converter (Delta Tau, Compumotor, CRS, IAI, Toshiba, etc)



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