



Making Data Acquisition Easy

CAGE/NCAGE Code: 3FNFO

EZ Data Logger — Easy to Use Data Logging Software

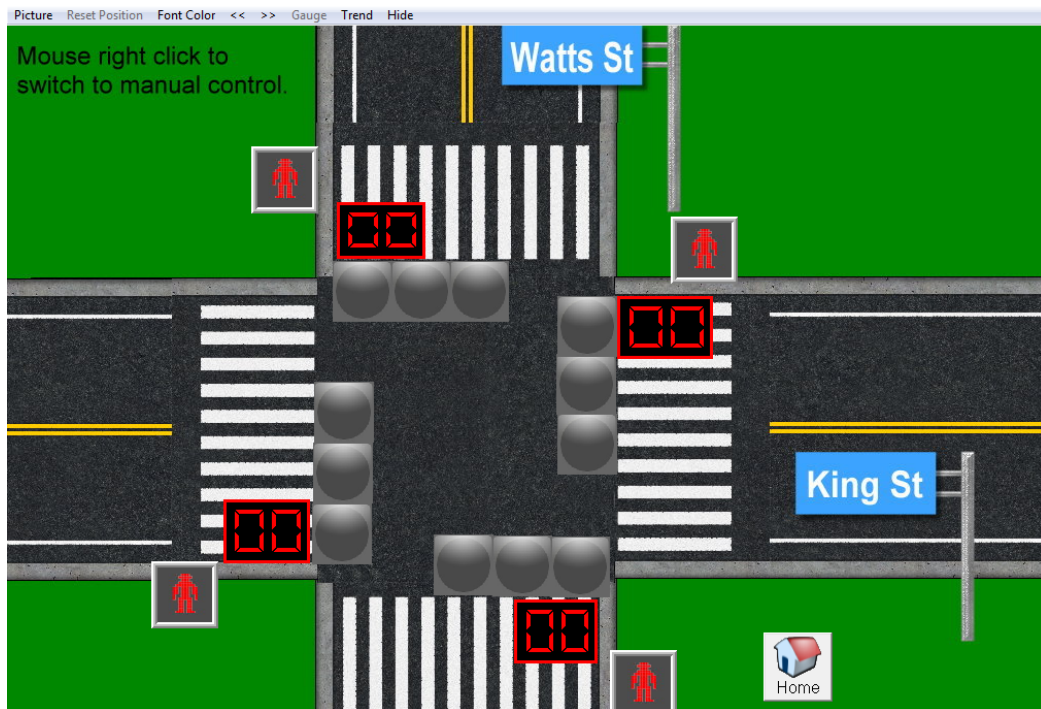
EZ Data Logger is a simple to use SCADA package for monitoring, controlling and data logging. It is free to use for up to 64 tags as long as you have one of our data acquisition modules in your system. You can also incorporate additional 3rd party Modbus RTU or Modbus TCP slave devices into EZ Data Logger.

In addition to Modbus TCP and Modbus RTU communication, EZ Data Logger can also connect with our I-7000 series DCON protocol modules.

For many applications, the ability to keep track of counts, sizes or measurements on a periodic basis can help forecast production goals, assist in ordering material or schedule shipments.

Here are some applications which EZ Data Logger software has been used.

- 1) Temperature measurements of dairy goods
- 2) Product counting for inventory
- 3) Vehicle counting at intersections



The example screenshot above shows an intersection. By using EZ Datalogger along with some I-7000 modules with simple DI and DO channels, a city was able to study traffic and pedestrian traffic at several key intersections to help optimize their traffic light system. Sensors were placed in the highway to detect cars. Each time a car passed through a designated point, it will trigger a DI input to our I-7000



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module and add one count. Four of these sensors were placed to count cars in each direction. Also at each corner were placed 2 manual pushbuttons for pedestrians to push to indicate that they want to cross the street in a specific direction. These were temporarily tied into separate inputs. The data measured traffic in each direction and pedestrian traffic. Using the data from this system, the transit authority in the area was able to program their controllers during different periods of time throughout the week to most effectively set the appropriate timing for their traffic control system.

I-7000 series:

http://www.icpdas-usa.com/i_7000_remote_data_acquisition_modules_via_rs_485_dcon_protocol.html

EZ Data Logger:

http://www.icpdas-usa.com/ez_data_logger.html

EZ Data Logger

- DCON •Modbus TCP •Modbus Serial
- ★Virtual Channel Definition
- ★Control Logic(VB Script)

Data Trend **High/Low Alarm** **★Alarm Notifier**

Database Report **Layout** **★IP Camera Viewer**

The graphic illustrates the EZ Data Logger software interface. It features a blue background with white text and icons. At the top, the title "EZ Data Logger" is displayed in a large, bold font. Below the title, a list of features is shown: "•DCON •Modbus TCP •Modbus Serial", "★Virtual Channel Definition", and "★Control Logic(VB Script)". The main area of the graphic is divided into several sections. On the left, there are icons for "Data Trend" (a line graph) and "Database Report" (a table). In the center, there are icons for "High/Low Alarm" (a bar chart) and "Layout" (a control panel). On the right, there are icons for "★Alarm Notifier" (a person, a mobile phone, and an envelope) and "★IP Camera Viewer" (a camera). Green arrows indicate a flow from the "High/Low Alarm" section to the "Alarm Notifier" section, and from the "IP Camera Viewer" section back to the "High/Low Alarm" section.



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