BLUE SIREN®

Monitor with Vision®

SCADASiren™

PRESSURE DEPTH WIRELESS FLOWMETER

Industrial Wireless Maximum 0-10 or 0-30ft Level Monitoring System with Vision

15PSI Sensor allows for over 150ft of Burst Pressure

AC , DC or Solar Power Kits

Rugged Design with Clear View Window and LCD

Optional 4G or WiFi Wireless Connectivity

SCADASiren™

The SCADASiren™ is a multi-application wall mount monitoring system with LCD and flow totalizer. Multiple SCADA output options are available including 4-20 mA, RS485, serial and analog output modules.

Optional USB allows for onsite data collection not requiring external connection to a field computer to collect data.

Automatically upload data for analysis to BlueLive® Cloud, DropBox®, GoogleDrive® or FTP location of your choice. Future proof worldwide LTE wireless module supports multiple countries and cellular frequencies, WiFi option also supported.

Built-in multi-media platform allows direct connection of our vision camera taking simultaneous pictures that correlate directly with sensor readings. Receive alarm emails with not only critical data but also images supporting the condition.

Automatically upload data for analysis to BlueLive® Cloud, DropBox®, GoogleDrive® or FTP location of your choice. Future proof worldwide LTE wireless module supports multiple countries and cellular frequencies, WiFi option also supported.

SPECIFICATION

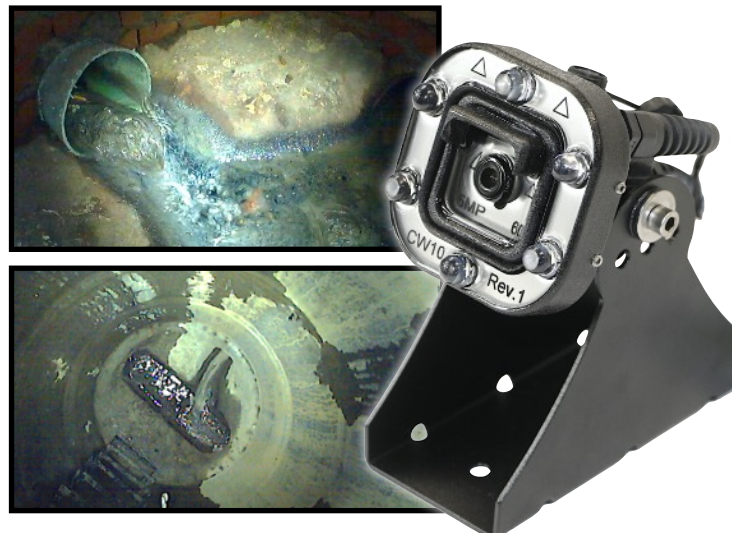|	
Enclosure:	10 x 8 x 4in (HxWxD), wall mount, fiberglass reinforced polyester, gray, single-door, (2) twist-lock latches, SAR acrylic window.
Data Storage	Internal Storage - 2.5 yr@15 min Sample Rate USB - over 20 years
Total Images	Internal Memory 500 (640x480) Images, USB over one million, Storage changes with image resolution"
Output:	RS485, Sampler Pulse, LCD
Power:	Logger: 3.3 V, Internal: 12 V, External: Max 16 V
Operating Temp.	-40 to 60ºC (-40 to 140ºF)
Connectors:	Spring Load Compression Fit
Power:	Internal 12 V AC / DC Power Supply
Sample Rate:	User Defined, 1 to 60 minutes
Software:	Field-Siren Windows GUI, Cloud Programmable
Protocol:	Compressed Binary
Wireless:	World Wide Cellular: 4G LTE and WiFi
Data Transfer:	Blue-Live® - DropBox® - GoogleDrive® - FTP

ALL PRODUCT, PRODUCT SPECIFICATIONS AND DATA ARE SUBJECT TO CHANGE WITHOUT NOTICE TO IMPROVE RELIABILITY, FUNCTION, DESIGN OR OTHERWISE. ... It shall be the customer's responsibility to validate that a particular product with the properties described in the product specification is suitable for use in a particular application.

Monitor With Vision®

Stainless Steel Transducer Element

Vortex Shedding Hydrostatic Shield

Use in Static and Flowing Conditons

Waterproof, Impact Resistant Urethane Construction

Streamline Design Minimizes Fouling

Technical Specifications:

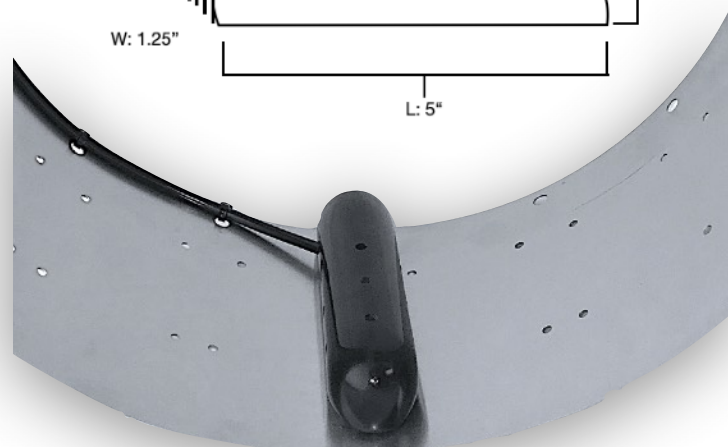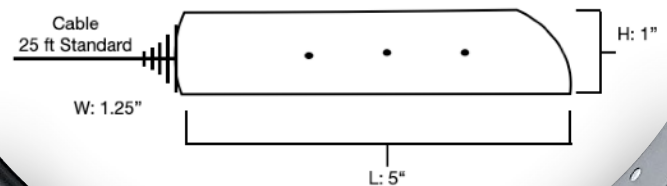|	
Dimensions:	5" X 1.25" X 1"
Construction:	316L Stainless Steel Material
Diaphram:	Tantalum or optional Titanium
ENV Rating:	Fully Submersible
Power:	Sensor Input: 5V DC
Transducer:	19mm Diameter
Gauge:	Absolute
Pressure Ranges:	5 PSI or 15 PSI
Resolution	5 PSI = 1mm 15 PSI = 2mm
Range:	5PSI = 10ft (3m) 15PSI = 30ft (9.14m)
Cable	Vented 5 conductor, 6mm Diameter
Overpressure	1.5 times Full Scale
Linearity:	+-0.15 FS
Temperature:	-40 to 125 C

PHN15 / PHN05 Pressure Depth Sensor

Easily monitor water depth in flowing and static conditions. PHN technology mitigates the pressure vortex caused by velocity and accurately measures the depth of water in any condition. This sensor is designed to work in a multitude of installations such as pipes, weirs, stilling wells, streams, ponds, and lakes.

In addition to the hermetically sealed stainless steel transducer, the PHN is further encapsulated using inert materials, making this a great solution for industrial and wastewater applications.

Combined with the SOLOSiren®, this low-power, fast response depth sensor makes this an ideal compact, mid to long term monitoring deployment option.

Available in both 5 and 15 PSI variants, accurately monitor a wide range of depths from a low 0.04 in (1mm) to maximum 30 ft (9.14m).

INDUSTRIAL 5MP VISION SENSOR

5MP Camera Sensor with High Output LED Ring

Multiple Resolution and Compression Settings

Maximum 5MP resolution

Bult-in Compression

Encapsulated Electronics

Monitor With Vision®

The Blue Siren® 5MP high output LED Camera Sensor is great for thousands of applications: sewer pipes, grease clogging, inflow and infiltration problems, monitor storm grates and implement camera based infrastructure security.

Automatically store images and send them to any server or website. Subscribe to the BlueLive® Database and see your images as they upload. Sensor readings automatically correlate with image time stamps, allowing more in-depth analysis of system conditions.

The Camera Sensor is constructed using impact resistant urethane and encapsulated using optically clear epoxy. Air is fully vacuumed out of each sensor leaving no room for condensation or moisture.

Technical Specifications:

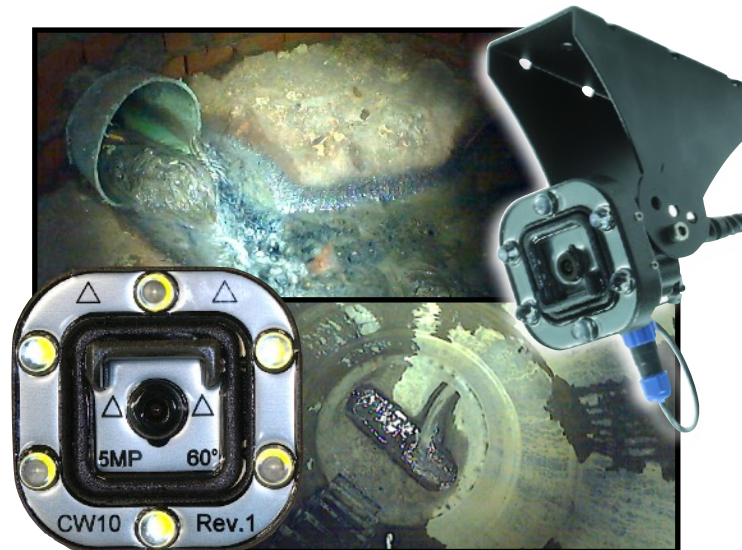|	
Pixel Resolution :	2592×1944 (Default), 2048×1536, 1920×1080, 1600×1200, 1280×960, 1024×768, 800×600, VGA, QVGA, 160×120
Sensor:	1/4" CMOS
Baud Rate:	115200bps (default), 19200bps, 38400bps, 57600bps, optional
Angle of View (FOV):	60 degree (default), 120/90/45/30/15/8 degree Optional
Focal Length:	3.6mm (default), 2.8mm/6mm/8mm/ 12mm/ 16mm/25mm Optional
White Balance:	Automatic
Operating Temperature:	-4°F-140°F
Sample Rate:	Minimum 1 minute
Auto Gain Control:	Automatic
Exposure:	Automatic

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DATA MANAGEMENT
Wireless Cloud Delivery and Data Analysis

View and Analyze Real Time Data

Automatic Delivery to Hosting Provider of your choice, DropBox®, Google Drive®, FTP, email, BlueLive®

Batch View Line and Scatter Plots

Manage Large Networks

Multiple End Users, No Additional Fees

FLEXIBLE DATA PLAN AND DELIVERY OPTIONS:

Automatically upload monitor data to BlueLive®, DropBox®, GoogleDrive®, email, or a FTP location of your choice. The internal worldwide 4G LTE wireless module supports multiple countries and cellular frequencies. In addition, WiFi connectivity options also available for infrastructure implementation. Provide your own SIM card and cellular network or have Blue Siren provide one for you. Blue Siren has low cost options on major networks such as AT&T® and Verizon Wireless®.

| Graphical Analysis | Line Graph Batch Analysis | Scatter Plot Batch Analysis | Data Export | Wiifat Export | GIS Analytics | Monitor Map | Wireless Report | Alarm Report | Alarm Setup | Email Config | Data Upload | Settings | Site Info |

Multi-Layered Line Graphs

Batch Report and ScatterPlots

GIS, Google Maps, and Spatial Analysis Tools

Image vs Data Correlation and TimeLapse