BLUE SIREN®

Monitor with Vision®

ECOSiren®

WIRELESS WATER PRESSURE MONITORING SYSTEM

Monitor any Water Meter with a Spinning Needle and Line Pressure Simultaneously.

20 Bar Pressure Included

Connect Multiple Sensors, up to 20 Channels
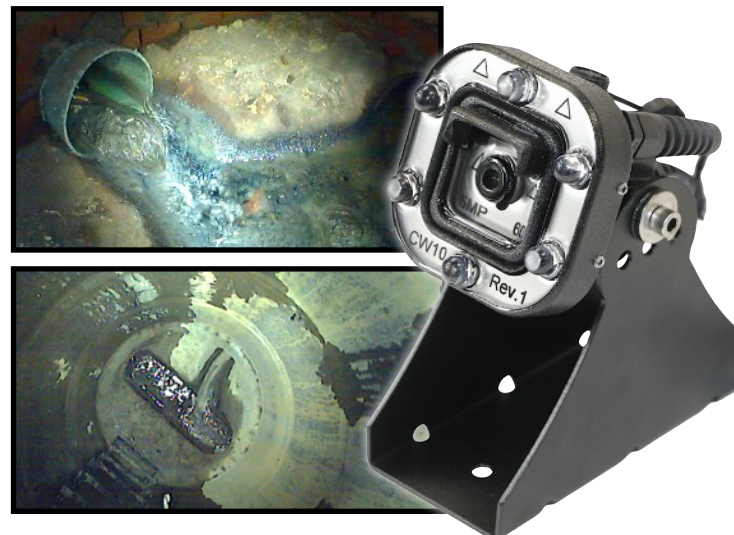
User Replaceable Internal 12V Battery Supply

Lightweight, Portable Compact Design

Modular Wireless Design allows 4G or WiFi Connectivity

ECOSiren® - GO ECO

The ECOSiren® is a multi-sensor autonomous wireless monitoring platform designed to work in outdoor field environments, delivering data to your desk every time. The built-in multi-media platform allows direct connection of our optional vision camera taking simultaneous pictures that correlate directly with sensor readings. Receive alarm emails with images showing the event details and severity.

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.

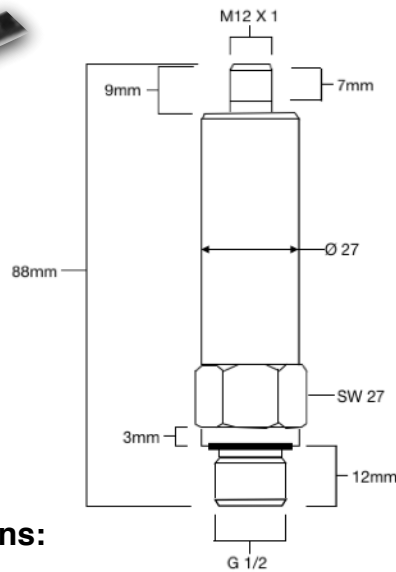|	
Dimensions:	(Approximately) L: 12in W: 10in D: 5in
Enclosure:	Impact Proof Plastic
Data Storage	Internal Storage - 2.5 yr@15 min Sample Rate USB - over 20 years
Total Images	Internal Memory 500 (640x480) Images, USB over one million, Storage changes with image resolution"
Output:	RS485, Sampler Pulse, LCD
Power:	Logger: 3.3 V, Internal: 12 V, External: Max 16 V
Operating Temp.	-40 to 60ºC (-40 to 140ºF)
Connectors:	Vision Port / 12 Channel Output Port External Wireless / Antenna Port 12 Channel Sensor Input Port Internal USB and Wireless Port
Battery Packs:	Internal Dual 12 V D-Cell Alkaline 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

Monitor with Vision®

Each ECOSiren® monitor has a standardized camera port allowing you to monitor with vision® at any time. Great for overflow verification, industrial trade waste color, and Infiltration detection. Camera resolution can range from 5MP all the way down to 0.1MP, complete with user programmable compression.

Standardized Camera Port on Every ECOSiren® Monitor

Industrial Pressure Sensor Product Specification Sheet

Measures gauge, absolute, and sealed gauge pressure.

Has short and reverse polarity protection.

Intrinsic safe version conforms to Standard Exia II CT6Ga of GB3836.4

Exd product conforms to Standard GB3836.2

CE, RoHS approved, ATEX version available

Reliable Pressure Readings

Stainless Steel 20 Bar (290PSI) pressure sensor is easy to use and provides data you can count-on. The sensor is hermetically sealed and versatile, making it ideal for use in industrial Installations.

Great for Waterline installation. Different thread sizes available.

Technical Specifications:

Pressure Range:	20 Bar 290 PSI
Overpressure:	≤1.5 times FS or 110MPa (min. value is valid)
Pressure Type:	gauge/absolute/sealed gauge
Accuracy:	≤ ±0.5%FS
Process Connection:	1/4" NPT
Long Term Stability:	≤ ±0.3%FS/year
Compensation Temp:	0ºC~50ºC
Application Temp:	-30ºC~80ºC
Power Supply:	3.3V/5V DC
Output Signal:	0-5V DC
Housing Protection:	IP65
Electric Connection:	DIN43650 plug or cable (1.5m)

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.

INDUSTRIAL 5MP CAMERA SENSOR
Optional VISION Sensor

Infrared LED Camera With Light Detection

Impact Resistant

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:

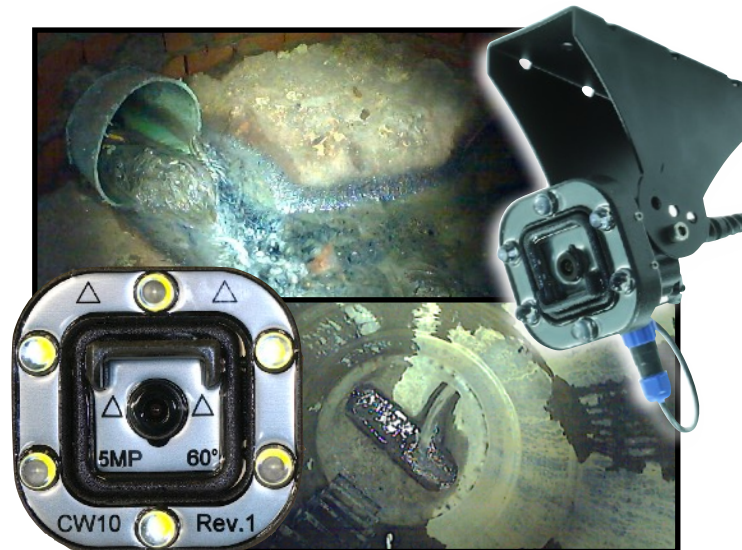|	
Pixel Resolution :	2592×1944 (Default), 2048×1536, 1920×1080, 1600×1200, 1280×960, 1024×768, 800×600, VGA, QVGA, 160×120
Sensor:	1/4" CMOS
Baud Rate:	115200bps (default), 19200bps, 38400bps, 57600bps, optional
Angle of View (FOV):	60 degree (default), 120/90/45/30/15/8 degree Optional
Focal Length:	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

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.

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