

Wireless Commercial Grade Radar Level with Integrated Multimedia Vision Technology

Accurate Radar Level Wireless Monitoring Solution

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 60°C (-40 to 140°F)

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

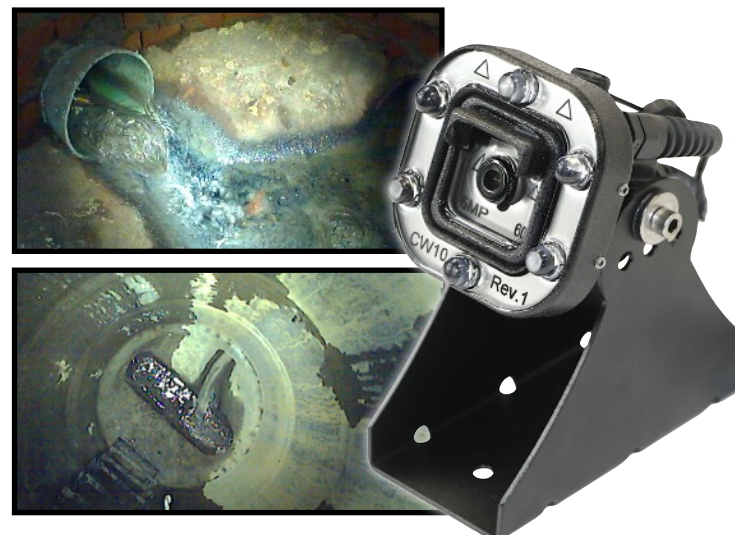
Protocol: Compressed Binary

Wireless: World Wide Cellular: 4G LTE and WiFi

Data Transfer: Blue-Live® - DropBox® - GoogleDrive® - FTP

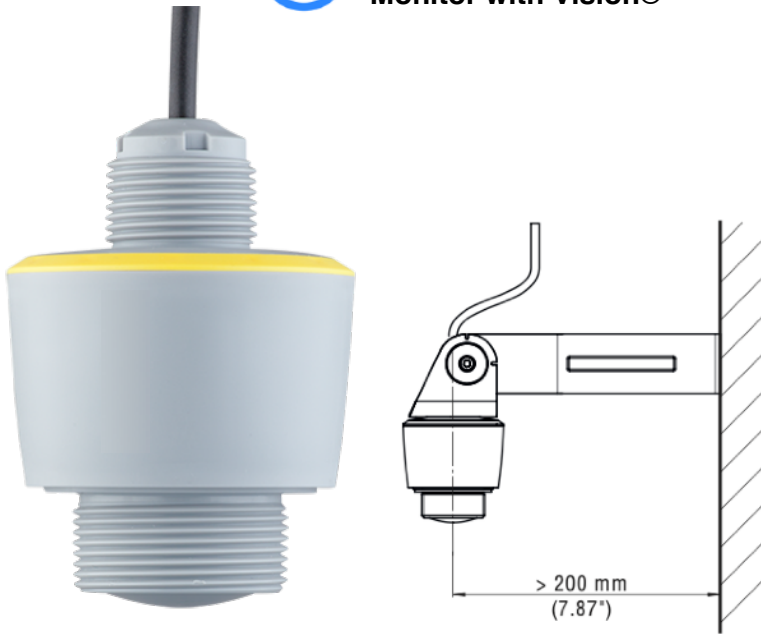
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Monitor With Vision®



LR50 RADAR LEVEL

Product Specification Sheet



80 GHz technology

50ft Long range Accuracy with Resolution 1 mm

Zero (0) Dead Band

Rugged PVDF Material

Fast Response Time Saves Battery Life

LR50 RADAR LEVEL

Designed for use in water and wastewater applications, the LR50 radar sensor is our number one choice for non-contact level measurement. 80GHz radar technology is more reliable than conventional ultrasonic and leads to a more maintenance free operation.

Easily installed on a bracket, the LR50 can be mounted in manholes, pump stations, wet wells, bridges and other open channel level applications.

Long Range sensing technology will measure up to 50ft with a 0.07" accuracy.

Dimensions: Diam. 3" X 4.28"

Range: 0 to 15m ~ 50ft

Accuracy: 2 mm ~ 0.07 in

ENV Rating: IP66/IP68 (3 bar) acc. to IEC 60529, Type 6P acc. to UL 50

Beam Angle: 8°

Transducer: Radar

Material: PVDF

Response Time: ~ 3 seconds

W-band: 80 GHz technology

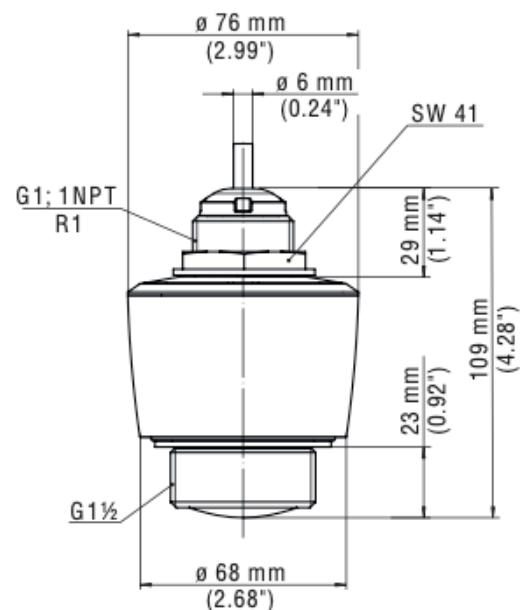
Resolution: 1mm (0.039in)

Blocking Distance: 0 mm (0 in)

SetUp: Bluetooth

Temperature: -40 to 80 C

Certifications: ATEX/IEC/c-FM-us/c-CSA-us; gas, intrinsic safety, Zone 0, 0/1, 1, 2 (Class I Division 1, 2) + Dust, intrinsic safety, Zone 20, 20/21, 21, 22 (Class II, III Division 1, 2)



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INDUSTRIAL 5MP VISION SENSOR

5MP Camera Sensor with High Output LED Ring

Multiple Resolution and Compression Settings

Maximum 5MP resolution

Built-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 : 2592x1944 (Default), 2048x1536, 1920x1080, 1600x1200, 1280x960, 1024x768, 800x600, VGA, QVGA, 160x120

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

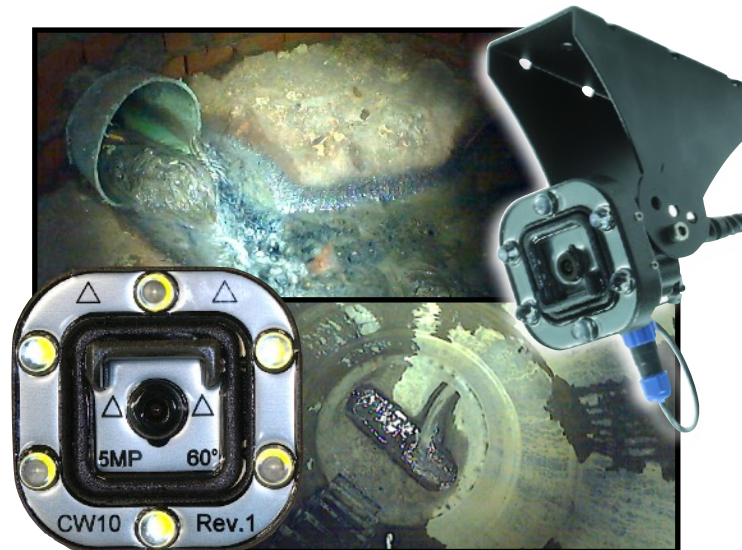
White Balance: Automatic

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							

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