

# COMPACT, COST EFFECTIVE



## ALL IN ONE



Live  
Location



Time-lapse



IP67



Line/Email  
Event notify



Low power  
Low weight

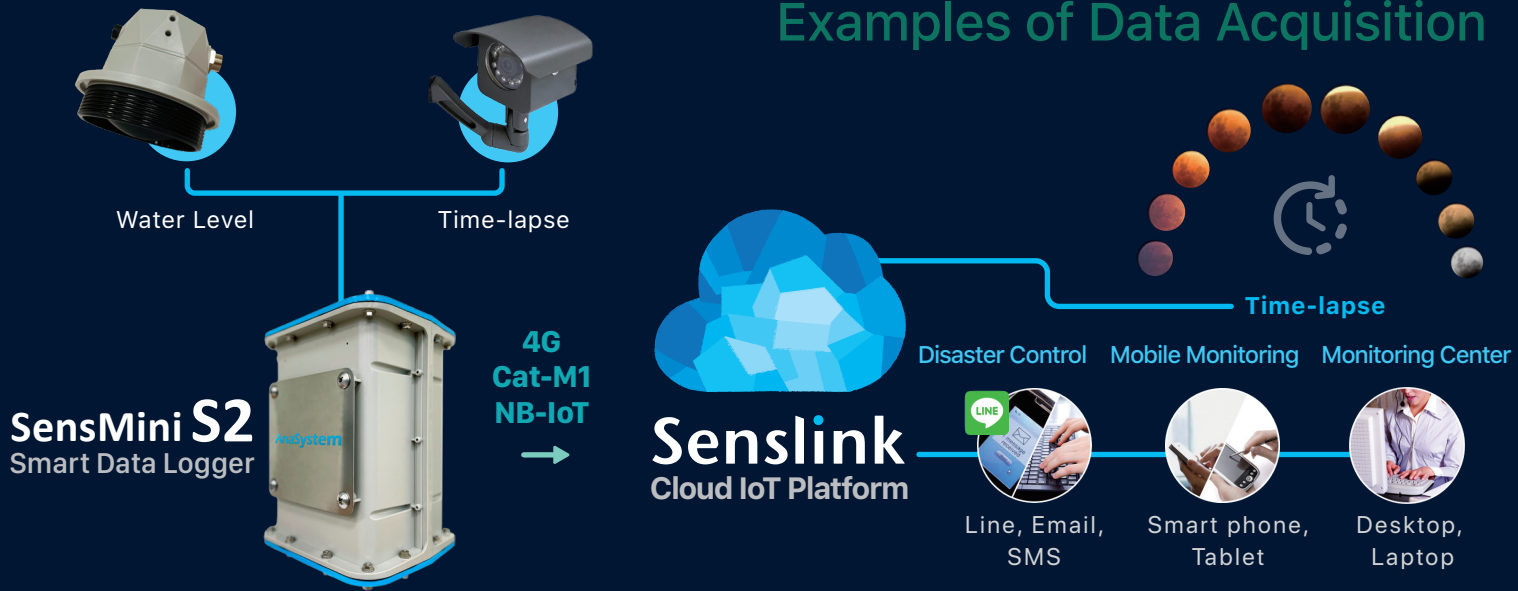
# SensMini S2

## Smart Remote Data Acquisition Device

- microSD(SD/SDHC/SDXC) card 4GB (256GB MAX)
- 4G / Cat-M1 / NB-IoT / Wi-SUN
- Working under severe environment ready
- Low power consumption. 2W (transmitting) / 0.001W (deep sleeping)
- Solar power charge, data logging and telecommunication system ready
- Maintenance free

**AnaSystem**

# Examples of Data Acquisition



## Features

- microSD card: 4GB (256GB Max)
- Measurement storage resolution: 32bit
- Max to 32 measurements per record
- Cyclic record period: 200 years (10 measurements, every 10 min)
- Support offline downloading data from removable SD card
- Measurement data run time formula calculation settings
- Real time and historical data transmit and store
- Read time value display APP: iOS, Android
- Auto reconnect
- Push data to cloud actively
- Communication Mode: Client
- GPS (Optional)
- Senslink cloud data auto sync
- Deep sleep mode
- Timelapse photography (Optional)
- Hardware / software node dynamic mapping
- Formular transformation
- Recording interval: 1~720 min
- Time-lapse auto send interval: 10 min~24 hr
- Auto send interval

## Hardware Specifications

### STORAGE

microSD Card    4GB (256GB Max)

### WIRED COMMUNICATION

RS-485            921,600 bps (Max)

### MOBILE COMMUNICATION

4G/LTE, Cat-M1, NB-IoT, Wi-SUN Wireless modules (Optional)

4G / LTE    TCP Client / MQTT / MQTTs Modes. (Fix IP is not required)  
Band 1, 3, 8, 28

Cat-M1 / NB-IoT    TCP Client / MQTT / MQTTs Modes. (Fix IP is not required)  
Band 1, 3, 8, 28

Wi-SUN    Band 902~928, Mesh ready.

### FMCW RADAR LEVEL SENSOR

Range            10 m (Max)  
Blind spot       20cm below the lens  
Accuracy       ±3.0 mm  
Resolution      ±1.0 mm  
Frequency       24 ~ 26 GHz  
Beam full angle   8°

### TIMELAPSE PHOTOGRAPHY MODULE (OPTIONAL)

Sensor           1/3" CMOS  
Focus            3.6mm  
Resolution       1280x1080 (Max)  
Format           JPEG  
IR distance       10M

### POWER

Voltage            +5 ~ +28 VDC  
Charge current    1A Max (Solar charge system included)  
Battery type       LiFePO4 Battery 43Wh  
Power consumption 1W (transmitting), 0.001W (deep sleep)

### MECHANICAL

Housing           IP67, PC (Corrosion and UV resistant)  
Size (LxWxH)      178 mm x 152 mm x 238 mm

### ENVIRONMENT

Working temperature -20°C ~ +70°C  
Storage temperature -25°C ~ +75°C  
Relative humidity    10 ~ 95% (non condensing)

### EMS PROTECTION

ESD                ±4 KV Contact, ±8 KV Air (I/O Pins)  
Surge               ±1KV (Power Pins)