

4G Visual IoT environmental management platform



Micro Weather Station Solutions

Regional weather warning/ Smart agriculture/ Easy setup



System overview

IDVIEW LCM micro weather station, is integrated with various environmental sensors, including, temperature, humidity, wind speed, wind direction, rainfall, air pressure, and radiation. It is easily set up and transmit data back to the platform for via telecommunication network. IDVIEW LCM micro weather station is the best solution for smart agriculture automation.

Recommend for use in agriculture, livestock industry, aquaculture, greenhouse, gathering data for research, and outdoor weather forecast.

Micro Weather Station

- Sensors includes temperature, humidity, wind speed, wind direction, rainfall, air pressure, and radiation.
- Video and data synchronization
- Design for outdoor
- Low power consumption and short measurement period.
- RS-485(Modbus) output

System functions

- Edge computing / push notification for alarm / AI control
- Smart phone APP/ Dashboard on PC for remote live monitor, data query, and export
- Power supply monitor



System composition

1. Control hub	TC-2116 whole environment time lapse camera	4. Sensor	A. LCM micro weather station
2. SVaaS cloud service	A. SVaaS cloud server B. Smartphone App / Dashboard on PC	5. Interface	A. 4G LTE-M / LTE B. GPS C. RS-485 (Modbus)
3. Solar energy system	A. IV-5030 solar panel (5W/10W/20W) B. MPPT solar charge controller C. IV-6050 Lithium battery power module (70W/140W/280W)		