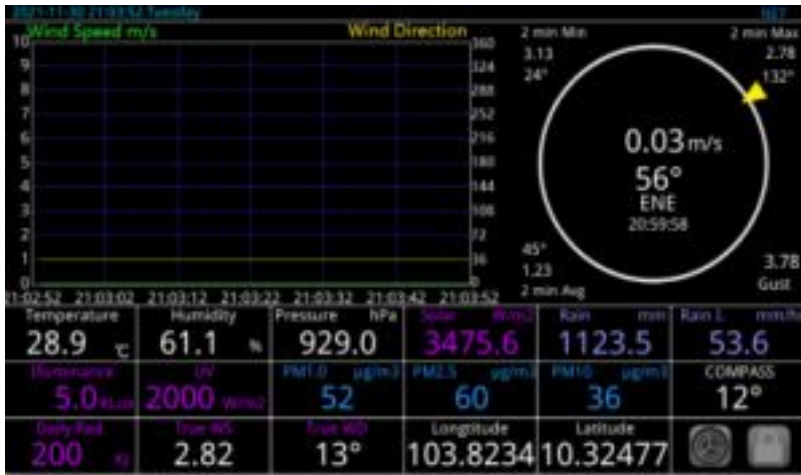


# HY-DAM

## Технические характеристики

### По вопросам продаж и поддержки обращайтесь:

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Астрахань (8512)99-46-04	Калуга (4842)92-23-67	Омск (3812)21-46-40	Ставрополь (8652)20-65-13
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Волгоград (844)278-03-48	Курск (4712)77-13-04	Ростов-на-Дону (863)308-18-15	Тюмень (3452)66-21-18
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Россия (495)268-04-70	Киргизия (996)312-96-26-47	Казахстан (7172)727-132	



# HY-DAM data logger weather display PLC integration

## Introduction

HY-DAM is an universal data acquisition module developed by Hongyuv Technology. Not only can it display real-time data, history graph, store data, but also upload data to your server via TCP connection or HTTP request. It also support uploading data to Weather Underground platform, HongYuv IoT platform.

All data received by serial port(UART, RS485, RS232, TTL) can be configured to uploaded to your server.

It's working based on embedded real-time operating system, which is stable, free of system crash.

It can support all kinds of HongYuv protocols: unsolicited(active) ASCII string output, NMEA0183, MODBUS-RTU.

We also provides IoT integration service to clients, and program HY-DAM data acquisition module to sample data from UV sensor, solar radiation sensor, PAR sensor, soil humidity / temperature, air quality, noise, water quality, water level, visibility, road state sensor, rain sensor etc.

Below introduction is one of HY-DAM designed for HongYuv weather stations.

Display interface for different sensors will be different.

Features

Wind Sector indication

Real-time wind speed direction graph

I Wind and Temperature Alarm

Configurable wind, temp, pressure, rain unit

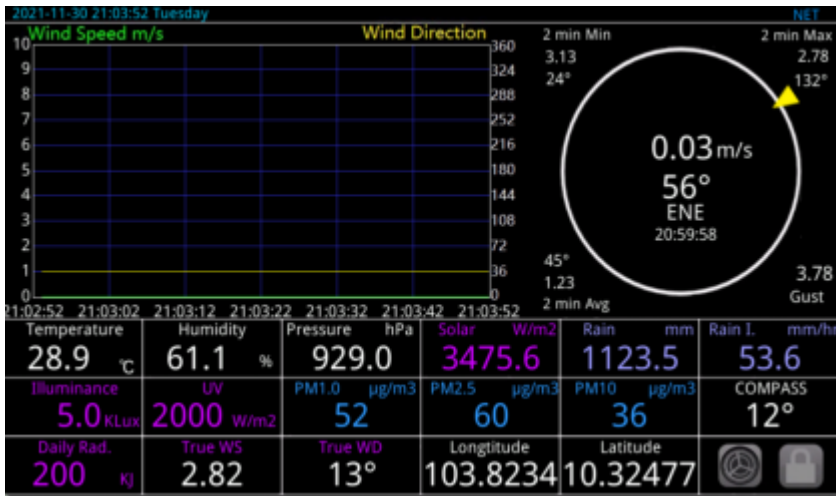
TCP connection supported

Report data to Weather Underground free IoT platform

Firmware can be upgraded via WIFI or RJ45 Ethernet

SD TF store over 4000 days' data Support HongYuv IoT platform

Can upload data to your own server or IoT platform



System setting page:



HY-DAM data acquisition module has WiFi or Ethernet interface for option

Ethernet setting page for RJ45 Ethernet interface:

WiFi setting page for WiFi interface

## Data record page:

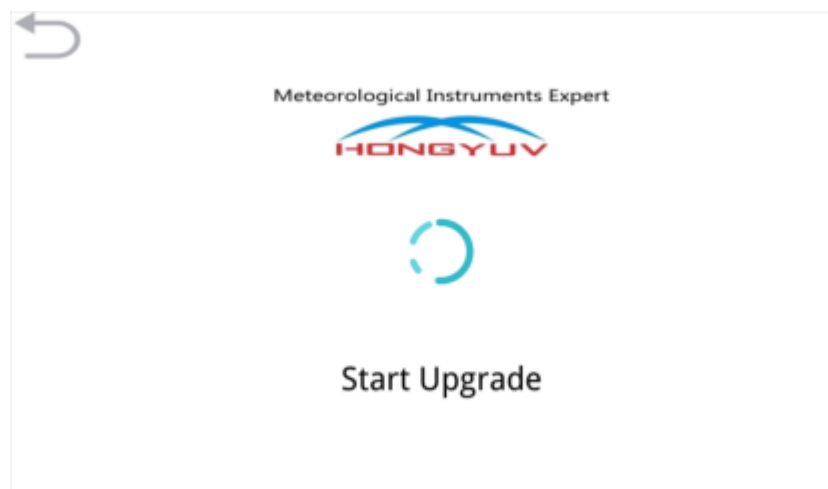
Time	WS	WD	Temp.	Hum.	Pressure	Solar Rad.
2021-11-30 20:58:48	0.03	56	28.9	61.1	929.0	3475.6
2021-11-30 20:54:26	60.0	156	58.9	91.1	1200.0	2000.0
2021-11-30 20:54:24	60.0	156	58.9	91.1	1200.0	2000.0
2021-11-30 20:54:23	60.0	156	58.9	91.1	1200.0	2000.0
2021-11-30 20:54:22	60.0	156	58.9	91.1	1200.0	2000.0
2021-11-30 20:54:21	60.0	156	58.9	91.1	1200.0	2000.0
2021-11-30 20:54:20	60.0	156	58.9	91.1	1200.0	2000.0
2021-11-30 20:54:19	60.0	156	58.9	91.1	1200.0	2000.0
2021-11-30 20:54:18	60.0	156	58.9	91.1	1200.0	2000.0
2021-11-30 20:54:17	60.0	156	58.9	91.1	1200.0	2000.0
2021-11-30 20:54:16	60.0	156	58.9	91.1	1200.0	2000.0
2021-11-30 20:54:15	60.0	156	58.9	91.1	1200.0	2000.0
2021-11-30 20:54:14	60.0	156	58.9	91.1	1200.0	2000.0
2021-11-30 20:54:13	60.0	156	58.9	91.1	1200.0	2000.0
2021-11-30 20:54:12	60.0	156	58.9	91.1	1200.0	2000.0
2021-11-30 20:54:11	60.0	156	58.9	91.1	1200.0	2000.0
2021-11-30 20:54:10	60.0	156	58.9	91.1	1200.0	2000.0
2021-11-30 20:54:09	60.0	156	58.9	91.1	1200.0	2000.0
2021-11-30 20:54:08	60.0	156	58.9	91.1	1200.0	2000.0
2021-11-30 20:54:07	60.0	156	58.9	91.1	1200.0	2000.0
2021-11-30 20:54:06	60.0	156	58.9	91.1	1200.0	2000.0
2021-11-30 20:54:05	60.0	156	58.9	91.1	1200.0	2000.0

**Firmware can be upgraded via hot spot shared by phone or router within seconds.**

Upgrade only consumes about 3MB each time.

You don't need to send back HY-DAM data acquisition module iff you have projects that need our customization service, we can upgrade it remotely by WiFi or Ethernet.

## Firmware upgrade page:

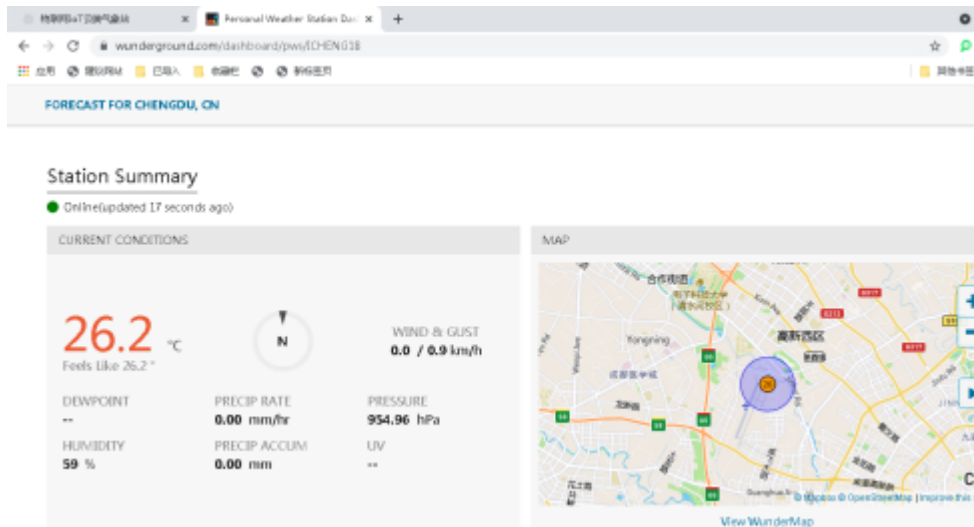


## Specification

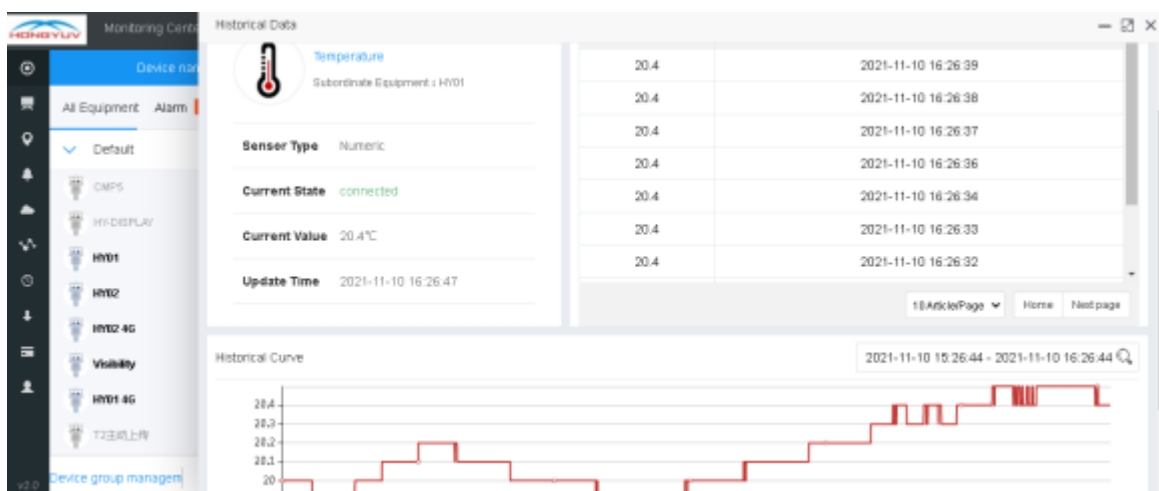
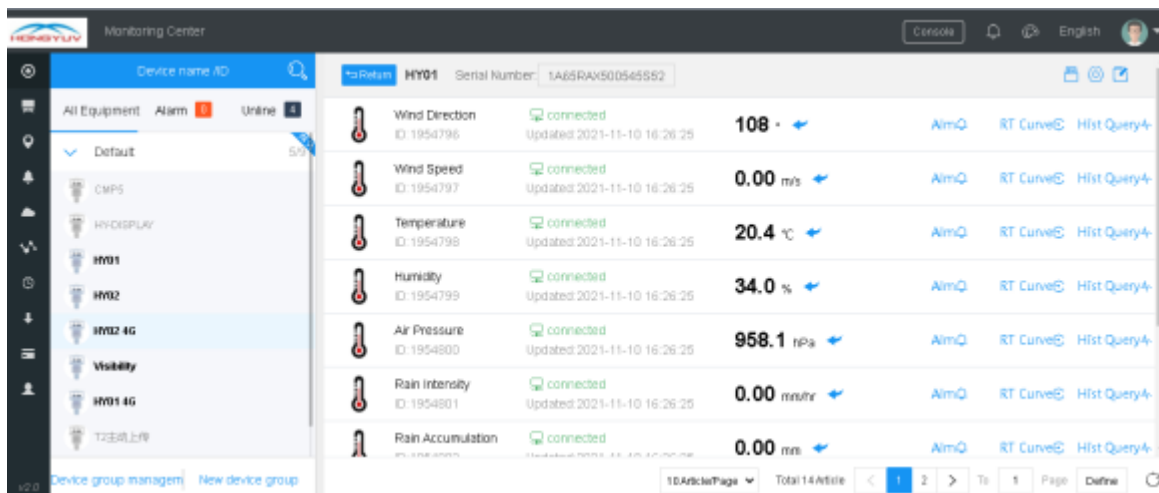
Screen	7 inch TFT Capacitive touch screen
CPU	800Mhz
RTC function	Yes
Dimension	<b>WiFi interface :190 mm×1 10 mm×1 8 mm</b> <b>Ethernet interface: 210mm×150mm×35mm</b> <b>Outlook of WIFI DAM and Ethernet DAM is little different.</b>
Display Zone	<b>155mm×87mm</b>
Interface	TTL or RS485 or RS232
Internet interface	<b>Optional WIFI: 2.4GHz-2.48GHz supported</b> <b>Optional RJ45 Ethernet</b>
TF card	SD card storage, 32G SD card can store 4000 days ' data
Operational Temp.	-20 ~ +70 °C
<b>Storage Temp.</b>	<b>- 3 0 °C ~ +80 °C</b>
<b>Optional protocol</b>	<b>MODBUS-RTU,NEMA0183,Active ASCII string output</b> Other protocol can be customized
Reliability	It has passed industrial standard high and low temperature, ESD, group pulse and radiation tests
Power consumption	B acklight off:120mA 20%:150mA 100%: 240mA @12VDC

# What you can do with HY-DISPLAY?

## 1. Upload data to Wunderground



## 2. Upload data to HongYuv IoT platform, which can be accessed by WEB or APP.



## 3. Upload data to your own server.

You can start exploring endless possibility from purchasing one HY-DISPLAY and our sensors.

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Иваново (4932)77-34-06  
Ижевск (3412)26-03-58  
Иркутск (395)279-98-46  
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Череповец (8202)49-02-64  
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