

# WEATHER STATION WITH LIGHTNING SENSOR AND PTZ HD CAMERA



## MEASURE HYPER-LOCAL REAL-TIME WEATHER CONDITIONS AT YOUR LOCATION

A state-of-the-art, commercial-grade weather station that tracks 27 different parameters from your business and provides the most accurate in-cloud and cloud-to-ground lightning detection.

### OVERVIEW

Built to withstand and measure all kinds of weather, our Weather Station requires very little maintenance, is fully automated and all components interface with a host of Earth Networks applications. Should there be a maintenance problem, issues can be evaluated and diagnosed remotely by calling our unlimited-usage toll-free technical support service. The Weather Station includes a comprehensive one-year warranty.

### BENEFITS



#### EXTENSIVE CAPABILITIES

Optimal for schools, airports, stadiums, parks, golf courses, amusement parks and a myriad of other locations that require up-to-the-second weather data.



#### WORLD'S LARGEST WEATHER NETWORK

With an Earth Networks weather station installed at your facility, you automatically join the world's largest network of professional-grade, real-time weather sensors.



#### HYPER-LOCALIZED WEATHER

Localized weather ensures you have the accurate information you need to make informed decisions.



#### REAL-TIME VARIABLES

Observations continuously update every 2 seconds, so you get the most up-to-date information.



#### ANALYSIS OF CURRENT CONDITIONS

Gathers and analyzes 27 key atmospheric conditions – including temperature, wind speed and direction, humidity and more.



#### PAN TILT ZOOM CAMERA

Provides HD live images that make it possible for facilities to monitor critical assets and community infrastructure during weather events and day-to-day operations.



*Last year, we had an Earth Networks Station installed here at our school. One day, we had field day scheduled with a lot of outdoor activities. After learning about the potential for severe weather, we stayed weather aware thanks to our station. We were able to be proactive and moved students inside to prevent heat exhaustion. We were also able to avoid the severe storms that rolled through that day thanks to the radar screen.*



**TJ Winklemann**, Hillcrest STEAM Academy

## KEY FEATURES

- Wind Sensor
- Lightning Sensor (Optional)
- Sensor Shelter
- Rain Gauge
- Network Appliance
- Weather Display (Optional)
- PTZ HD Camera (Optional)

## JOIN THE WORLD'S LARGEST NETWORK OF HYPERLOCAL WEATHER STATIONS

Whether you're monitoring heat and humidity levels to protect individuals outdoors, measuring rainfall to determine how to treat agriculture, or monitoring neighborhood-level weather conditions for public safety; access to real-time, local weather conditions is critical.

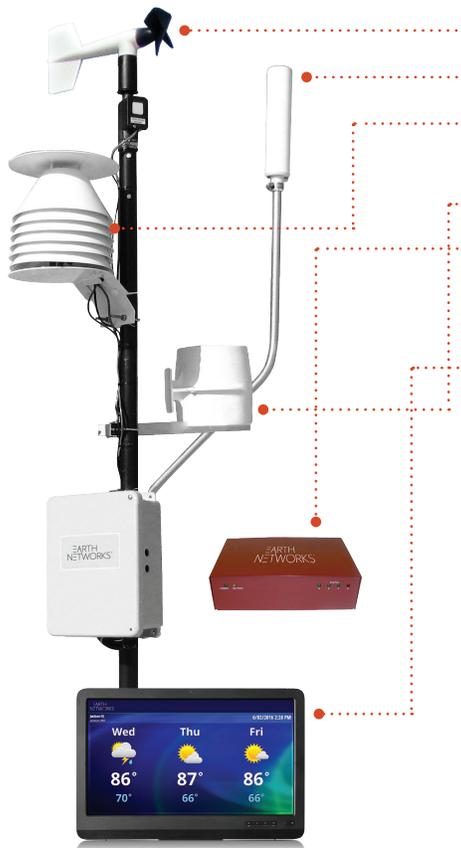
### WEATHER STATION KEY FEATURES

- Weather Sensor:** Captures wind speed and direction
- Lightning Sensor:** Integrated in-cloud (IC) and cloud-to-ground (CG) lightning detection sensor
- Sensor Shelter:** Temperature, relative humidity, heat index, wind chill, barometric pressure, dew point, wet bulb and more
- Rain Gauge:** Daily, monthly and yearly rainfall totals and averages
- Network Appliance:** An IP-enabled device that connects easily to the Internet, provides fast transmission of your weather station data, has a 72-hour battery life and automatically reboots as needed
- Weather Display:** This bright, easy-to-read plug-and-play HD Display measures 21" and can be installed anywhere. It will scroll and report current conditions, 3-day forecast, Doppler radar, local weather alerts and live camera feeds directly from your weather station

### PTZ HD CAMERA KEY FEATURES

Our HD camera integrates seamlessly into the Weather Display and works with a host of Earth Networks applications viewable on mobile phones, tablets and computers—providing HD access to your facility's live weather conditions.

- Access to all Earth Networks cameras
- Easy to setup and control
- Monitor critical assets
- Capture images and record videos



### SPECIFICATIONS

<b>Frame Transfer</b>	Up to 30 frames per second (FPS)
<b>Electronic Shutter Speed</b>	1/2 to 1/10,000 s
<b>Lens Type</b>	Auto-focus zoom lens
<b>Zoom Ratio</b>	10x
<b>Horizontal Viewing Angle</b>	5.4 to 50 degrees
<b>Focal Length</b>	F=5.1 to 51mm
<b>Pan Angle</b>	360 degrees endless rotation
<b>Pan Speed</b>	400 degrees/s (max.)
<b>Tilt Angle</b>	210 degrees
<b>Tilt Speed</b>	400 degrees/s (max.)
<b>Power Requirements</b>	AC24V
<b>Power Consumption</b>	80 W max.
<b>Dimensions</b>	9 3/8 x 13 5/8 inches (238 x 346 mm)
<b>Weight of Camera and Housing</b>	Approximately 16 pounds / 7.26 kg
<b>Operating Temperature Range</b>	-40° to +122°F / -40° to +50°C