

WEATHER STATION WITH LIGHTNING SENSOR AND PTZ HD CAMERA



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 Winkleman, Hillcrest STEAM Academy

MEASURE REAL-TIME CONDITIONS TO PREPARE FOR SEVERE WEATHER AT YOUR LOCATION

Our state of the art, commercial grade weather stations are built to withstand and measure all kinds of weather and bring you live, hyper-local data that is vital for safety and planning.

OVERVIEW

Track and monitor 27+ weather conditions right at your location:

- ▶ Temperature
- ▶ Wind direction and speed
- ▶ Relative humidity
- ▶ Wet Bulb Globe Temperature (WBGT)
- ▶ Dew point
- ▶ Rainfall

BENEFITS



Capture accurate, localized weather data needed to make timely, critical decisions



Protect your employees, visitors and other stakeholders with real-time automated alerts for high winds, temperature, and lightning.



Low-maintenance weather station fully automated with components that interface seamlessly with our tools and applications



Access live HD images to monitor critical assets and community infrastructure during weather events and day-to-day operations.

KEY FEATURES

- ▶ Wind Sensor
- ▶ Lightning Sensor (Optional)
- ▶ Weather Sensor
- ▶ Rain Gauge
- ▶ Weather Display (Optional)
- ▶ PTZ HD Camera (Optional)

JOIN THE WORLD’S LARGEST NETWORK OF HYPER-LOCAL WEATHER STATIONS

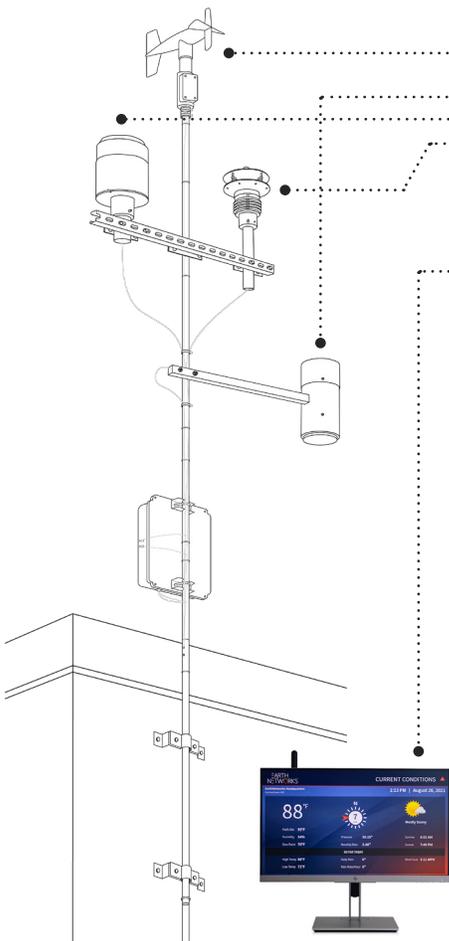
Whether you’re monitoring heat and humidity levels to protect individuals outdoors, measuring rainfall to determine how to treat agriculture, or monitoring neighborhood-level weather conditions for public safety; access to real-time, local weather conditions is critical.

WEATHER STATION KEY FEATURES

- Wind Sensor:** Captures wind speed and direction
- Lightning Sensor:** Integrated in-cloud (IC) and cloud-to-ground (CG) lightning detection sensor
- Weather Sensor:** 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
- Weather Display:** This bright, easy-to-read plug-and-play HD Display measures 23” and can be installed anywhere. It will scroll and report current conditions, 5-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.



PTZ DOME NETWORK CAMERA SPECIFICATIONS (AXIS Q6155-E)

Frame Transfer	Up to 25/30 fps (50/60 Hz) in 1080p Up to 50/60 fps (50/60 Hz) in 720p
Electronic Shutter Speed	1/60000 s to 2 s
Lens Type	4.3–129 mm, F1.6–4.7 Horizontal field of view: 66.7°–2.36° Vertical field of view: 39.5°–1.37° Laser focus, auto-iris
Pan/Tilt/Zoom	Pan: 360° endless, 0.05°–700°/s Tilt: +20 to -90°, 0.05°–500°/s Zoom: 30x optical, 12x digital, total 360x zoom
Video compression	H.264 (MPEG-4 Part 10/AVC) Baseline, Main and High Profiles Motion JPEG
Resolution	1920x1080p (HDTV 1080p) to 320x180
Power Requirements	IEEE 802.3 at compliant (PoE+) Class 4, AC 24 V (included)
Power Consumption	Typical 11 W, max 25 W
Dimensions	274 x 165 x 165 mm (10 13/16 x 6 1/2 x 6 1/2 in)
Weight of Camera and Housing	2.9 kg (6.4 lb)
Operating Temperature Range	-40°F to 140 °F

