

Weather Station

At the heart of our WeatherBug Schools Program is a scientific-grade weather station—a state-of-the-art, weather sensor suite that tracks 27 different parameters from your school rooftop in real-time.



1. **Wind Sensor** — Wind speed and direction.
2. **Sensor Shelter** — Temperature, relative humidity, heat index, wind chill, barometric pressure, dew point, wet bulb and more.
3. **Rain Gauge** — Daily, monthly and yearly rainfall totals and averages.
4. **Lightning Sensor** (optional) — Integrated in-cloud (IC) and cloud-to-ground (CG) lightning detection sensor (see WeatherBug Total Lightning overview for more info).
5. **HD Camera** (optional) — Stationary or pan, tilt and zoom HD cams incorporate state-of-the-art image-enhancement technologies in a compact body; that allow users to capture clear and bright images and video in challenging environments. (More information on reverse.)
6. **WeatherBug 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.

7. WeatherBug LCD Display
This bright, easy-to-read plug-and-play LCD display can be installed in school offices, classrooms, science labs, hallways or high-traffic areas. It will scroll and report the following from your school's weather station:

- **Current Conditions**
- **Forecast (3-day)**
- **Doppler Radar**
- **Local Weather Alerts**
- **Live & Time-Lapse Camera** (from your site or the closest camera to your location)

Built to withstand and measure all kinds of weather, a WeatherBug weather station requires very little maintenance and is fully automated, and all components interface with a host of WeatherBug 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 WeatherBug weather station includes a comprehensive one-year warranty.

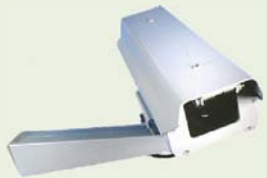
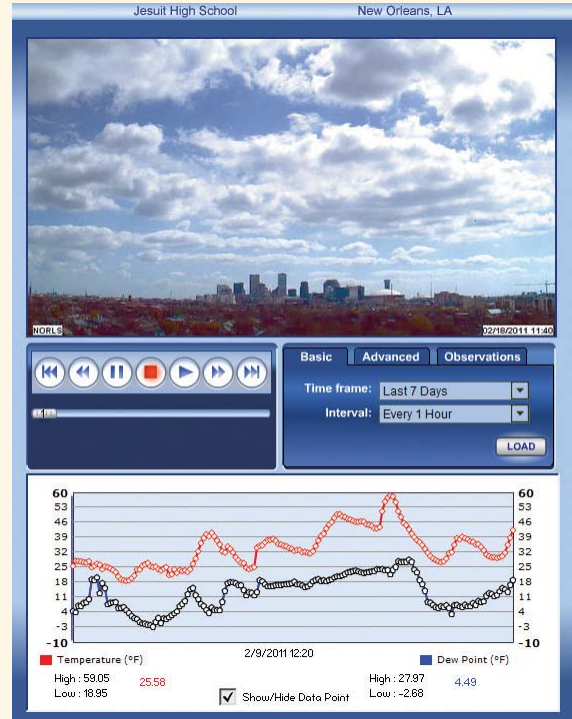


High-Definition Cameras

Teach students how to easily gather, analyze, interpret and comprehend seemingly complicated data sets from real-life scenarios.

HD Cameras Bring Your Weather Station to Life

WeatherBug HD Cameras open a window to the world and take the power of observation to new heights by bringing flexibility, clarity and functionality that will quickly break down the walls of your learning environment. They allow students to create time-lapse animations, track weather systems as they blow in and observe the relationship between two parameters—what happens when temperature and dew point rise and fall, light intensity increases and decreases, season changes and more. Even the most complex mathematical and scientific concepts become easier to comprehend through advanced graphing in unison with animated time-lapse images.



WeatherBug HD Cam — The HD Weather Camera delivers exceedingly clear, high-definition images to your classroom of storms and systems as they move through your area—in full 16:9 aspect ratio. Teachers and students correlate measurements they are observing with images captured every five minutes.



WeatherBug PTZ HD — The Pan Tilt Zoom (PTZ) HD Camera is a rapid dome camera that delivers excellent picture quality at HD resolution in 16:9 aspect ratio. Advanced programming and control options give you the ability to zoom in on learning events for detailed enhancement; tilt up to 210 degrees; and pan up to 360 degrees with endless high-speed panning capability, allowing you to cover a wide monitoring area.

WeatherBug HD Cameras integrate seamlessly into the LCD Display, pictured right, and WeatherBug Achieve, top-right and a host of other WeatherBug applications.



The PTZ's advanced programming allows users to "drive" the camera using simple controls. The 10x optical HD zoom lens allows for extreme close-ups.

