New!

EWB-1 is a live emergency weather and radar system that is coupled with a 3D modeling engine to give you the most accurate weather information when your facilities are affected.

Utilizing the national NEXRAD radar network by connecting to radar sites directly, it provides complete real-time coverage of local, regional, and national weather events, including live-scan tracking and prediction of storm paths.

Plus, it can optionally live stream to the Internet as well as broadcast HD-SDI video.

Turn-key portable emergency weather system

- Portable HD broadcast quality live local Doppler weather radar
- Complete suite of weather products for emergency broadcast
- Fully brandable with logos and station ID
- Works even with low-speed Internet connections like cellular
- Live radar, warnings, forecasts, currents, models, tracking
- Touch screen 3D interaction, interface for larger monitors
- 1080/720 HD-SDI output, optional genlock, optional streaming
E WB-1 Description, Features, Tools, and Specifications

IntelliWeather’s EWB-1 is a portable, low-cost backup weather solution for simultaneous broadcast TV and optional Internet stream broadcasting. It requires only power and an Internet connection, supporting Cable, DSL, 3G/4G/5G cellular, and satellite connections. If and when the need arises, it can be up and running in minutes from a live van, at the transmitter head-end, or at a temporary studio, keeping viewers informed when disaster strikes.

EWB-1 allows you to show live, real-time radar to your viewers complete with telestration tools for impactful storytelling. In addition to live radar, our proprietary software, XRAD3D, comes with a complete set of surface observations, models, forecasts, NWS advisories and much more all designed to allow your news department to provide the fastest, most accurate weather data when disaster strikes.

Features

- 3D mapped system allows viewing your DMA from any angle, any level, any perspective
- True live radar, connected directly to nearest NEXRAD radar, with live sweep, live warnings
- Full suite of meteorological models and data
- Full suite of street-level mapping for all locations in the USA
- Covers the entire USA, including Alaska, Hawaii, Guam, and Puerto Rico
- Works from anywhere, even with low speed Internet connections like cell-phone hotspots
- HD-SDI 1080i or 720p video output
- Built in touch-screen for interactive operation for zoom, pan, rotate, etc.
- Built-in connectivity to other systems, such as StoryTeller™ and other large touch-screen displays
- Built in “telestrator” feature using touchscreen
- Built-in Internet failover system switches between WiFi and wired connections seamlessly
- Custom terrain mapping, custom overlay, and custom station logo features

Powerful Weather Tools

- Live, direct to the NEXRAD tower, Level 2 Radar data with live sweep
- Robust storm cell tracking tool with live ETA analysis
- Tornado and Hail signature detection and display
- METAR Surface Observations; Severe weather Warnings and Watches TOR, SVR, FFW, SMW
- Surface Analysis including MSLP, Fronts, Centers, & more
- MRMS data including Reflectivity, Precipitation Amount, Hail, Lightning & more
- Models: GFS, GFS 0.25, NAM, NAM3K, HRRR, RAP, 4 WRF models as well as using Custom GRIB
- A full set of Mesoanalysis products & Quantitative Precipitation Forecasts
- National Digital Forecast Database for forecasts anywhere
- NWS Advisories, Convective Outlooks Mesoscale Discussions & more
- Tropical Systems: Best Track, Official Forecast, NHC Forecast Cone, Forecast Models & more
- Buoy & Ship Observations. Winter Snow & Ice Probabilities
- Hourly Differentials (up to 24) Temperature, Dew Point & MSLP
- River Gauge Observations. USGS Earthquake Detections
- SPC Fire Weather Outlook, Wildfire Detections (MODIS & VIRIS I-Band)

Specifications: Size: 14.05” x 5.31” x 11.30” – L x W x H; Weight: Approximately 8 lbs, AC 120VAC or 240VAC operation; Built-in 13” LCD touch screen monitor. Wireless mouse and keyboard included.

Options: Genlock input for use with Chroma-Key, live Internet streaming hardware to work simultaneously with HD-SDI video output, “Roadie Style” Shipping/transport case.

Licensing: Designed and priced for use when your main weather system is unavailable due to an emergency, the system comes with a renewable 90-day per year license. Longer periods or continuous use licenses are also available, ask for a quote.

Pricing: All-in-one, simplified pricing (hardware, software & broadcast license): $4,995.00 per unit.