

XRAD3D

Powered By:  TempoQuest

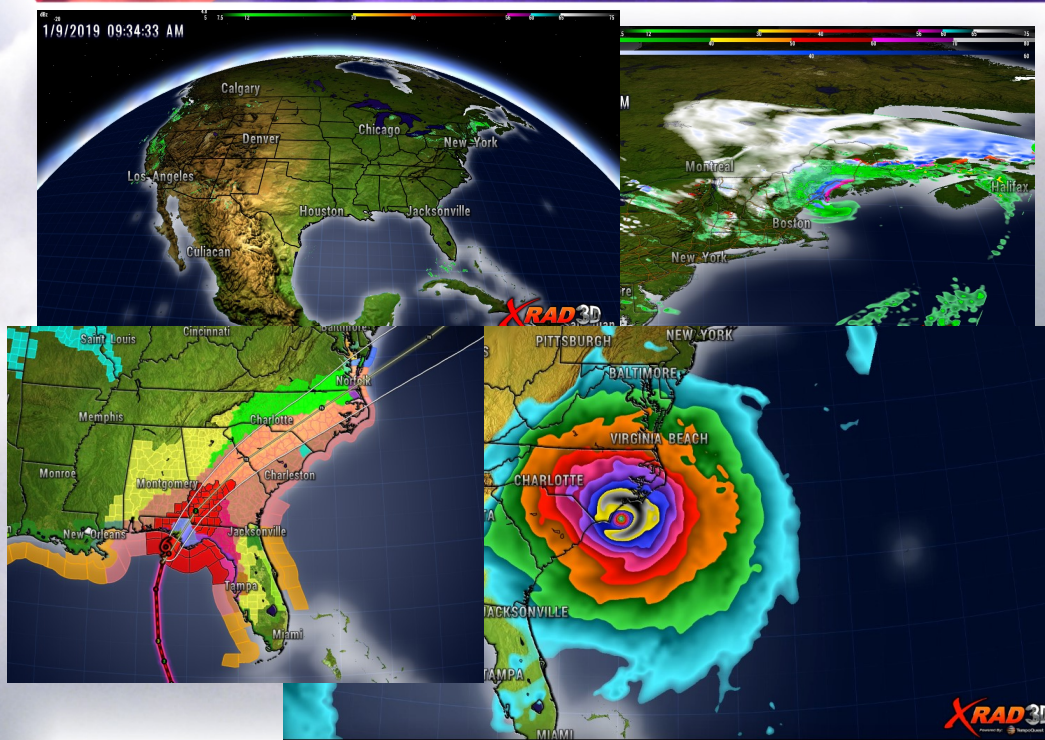
REAL-TIME 3D RADAR

An effective and comprehensive alternative to dedicated live radar, at a fraction of the price!

NEW! XRAD3D is an exciting state of the art LIVE radar system that is coupled with an interactive 3D modeling engine to give you interactive and real time content for on-air weather.

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, the built-in suite of model data overlays gives you HD quality weather forecasting!



Turn-key live radar system with 3D modeling

- HD broadcast quality live local Doppler weather radar
- Automatically updated NEXRAD data 24/7/365
- Fully brandable with logos and sponsorships
- Fully customizable to match any look or theme
- Live radar, warnings, forecasts, currents , models, tracking
- Live on-the-set touch screen 3D interaction
- Built in social media and web export



3008 Cohasset Rd. Chico, CA 95973
530-899-8434 | intelliweather.com



Features and Specifications:

Features

- Real-time updated data, direct from the NEXRAD network, is like having your own Doppler weather radar system. It's like climbing up a NEXRAD Radar tower and plugging your TV station into it. It's that fast.
- The XRAD3D radar system contains the LiveScan™ and LiveComposite™ technologies that display moving, sub-ten-second-delay radar data for time-critical applications. You will find this capability nowhere else.
- XRAD3D features an advanced super-resolution 0.5km x 0.5° grid of highly practical derived products such as estimated hail size (MEHS), Wind Shear/Rotation, Echo Tops (ET), thunderstorm gusts, severe hail probabilities (POSH), and more.
- Advanced storm-cell tracking features with ETA arrival times
- XRAD3D features a dynamic 3D GIS world model mapping system and is one of only a few in the world to ingest and style ESRI Shapefile data at the user's configuration and display it with hardware-accelerated, fluid graphics - delivering precise weather graphics animations on consumer graphics hardware. Built-in street level mapping, road sign labeling, and standard GIS layers give viewers a crystal clear sense of weather and geographical space.
- Complete weather model and weather data support for overlay at the synoptic level and mesoanalysis level.
- Virtually all of XRAD3D's data products can use our signature "time interpolation" feature which smoothly animates and displays interstitial frame values on the unified program timeline. Combined with a custom time slider bar, users can adjust map time down to the minute.
- Touch-screen interactivity is built in, use ours, or your own on-set touch screen for live weather events.
- Exclusive hot-button hardware control panel and programable clicker gives you "at a touch" preset views
- Optional satellite/cellular data service seamless backup, for those times when severe weather takes out communications

Specifications

- Ready to run self-contained system, requires only power, Internet, Genlock input (will also run stand alone) and HD-SDI connection.
- High-end multi-core Intel processor, with advanced 64 bit CPU management to handle real-time 3D model animation.
- Support for 720p, 1080i via HD-SDI video output –4K HD-SDI is optional.
- 4U rack mount case, with redundant internal power supplies for reliability. 120/240VAC @ 600 watts
- 27" Touch screen monitor included, for live on-set interactivity at podium—can also work with external touch screen monitors—no size limit.
- Programmable 16 button control panel for preset views.
- Programmable 4 button plus forward/back remote wireless clicker for in chroma-key control.
- Optional low-cost 2nd system for automated web page export.
- Optional low-cost remote system for use with live-van remotes.



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- Many of the most important features of our PRO model, at a lower hardware cost.
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- XRAD3D features an advanced super-resolution 0.5km x 0.5° grid of highly practical derived products such as estimated hail size (MEHS), Wind Shear/Rotation, Echo Tops (ET), thunderstorm gusts, severe hail probabilities (POSH), and more.
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- XRAD3D features a dynamic 3D GIS world model mapping system and is one of only a few in the world to ingest and style ESRI Shapefile data at the user's configuration and display it with hardware-accelerated, fluid graphics - delivering precise weather graphics animations on consumer graphics hardware. Built-in street level mapping, road sign labeling, and standard GIS layers give viewers a crystal clear sense of weather and geographical space.
- Complete weather model and weather data support for overlay at the synoptic level and mesoanalysis level.
- Virtually all of XRAD3D's data products can use our signature "time interpolation" feature which smoothly animates and displays interstitial frame values on the unified program timeline. Combined with a custom time slider bar, users can adjust map time down to the minute.
- 4 button programmable clicker gives you "at a touch" preset views

Specifications

- Ready to run self-contained system, requires only power, Internet, and HD-SDI connection. Genlock is optional.
- Mid-range multi-core Intel processor handles live radar tasks seamlessly.
- Support for 720p, 1080i via HD-SDI video output.
- Compact 2U rack mount case requiring 120/240VAC @ 400 watts.
- Suitable for use in a live van.
- Programmable 4 button plus forward/back remote wireless clicker for in chroma-key control.
- Optional upgrades include adding your own touch-screen monitor, genlock.
- No monitor included, add any monitor supporting SVGA/DVI/HDMI input.
- Manual export of video clips and still images for social media.



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