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!

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

- Many of the most important features of our PRO model, at a lower hardware cost.
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- 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 programable 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.