



# **E800 SERIES**

Dual Polarization Radar



THE WORLD LEADER IN SOLID STATE WEATHER RADAR SYSTEMS



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Dual Polarization Radar - X and C Bands

## A HISTORY OF INNOVATION

Since 1982, EWR has been dedicated to the advancement of weather radar technology through its state-of-the-art product line and unmatched lifecycle support services.

EWR understands what it takes to build radar systems that withstand the rigors of mobile and fixed deployment for continuous operation in the world's harshest environments.

## INDUSTRY-LEADING SOLID STATE GaN TRANSMITTER TECHNOLOGY

EWR pioneered the use of solid state GaN transmitters in weather radar systems with the introduction of the revolutionary E700XD system in 2006. Today, EWR solid state transmitters are field proven with over 150 solid state weather radar systems installed around the world. This is a statement and experience that no other manufacturer can match!

## THE SOLID ADVANTAGE

Many other radars utilize tube transmitters that require frequent maintenance, high voltage and are prone to failure in difficult environments such as those found in mobile applications. EWR uses long life solid state GaN transmitters, which are virtually maintenance free and consume far less power. EWR Solid State transmitters are frequency adjustable and can be tuned by the user to avoid interference.

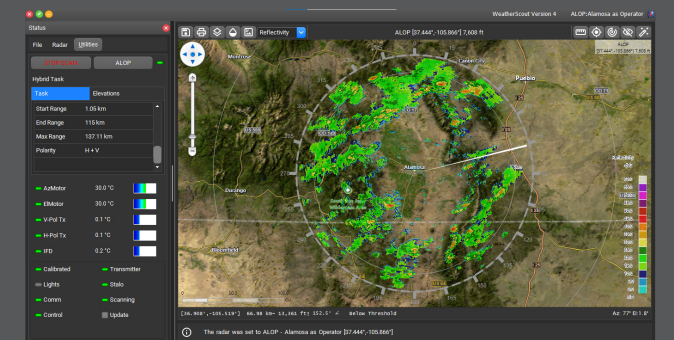
The latest E800 transmitter uses a proprietary multi amplifier design that incorporates multiple "next generation" high power GaN amplifiers to provide an extra measure of redundancy in this critical subsystem. This combined with EWR's Hybrid Pulse Technology, which virtually eliminates the blind range associated with other solid state radars, results in a system that outperforms all other solid state radars on the market today.

## REVOLUTIONARY DESIGN

The E800's cutting edge, fully integrated design and compact size make it the ideal choice for fixed use in difficult locations or portable applications. The E800's high resolution also makes the system the perfect solution for "gap filling" in existing networks.

The radar pedestal includes the radar transmitter, receiver, signal processor, server and antenna. EWR's proprietary design eliminates inefficient rotary joints and long waveguide runs for optimal system performance and reliability. This architecture also allows the entire system to be installed with only two cables greatly simplifying installation and maintenance.

The E800 Series uses the newest industry leading weather radar processing technology and EWR WeatherScout® software, providing weather radar products and warnings to the user.



The E800 includes the most complete suite of meteorological products available.



Compact, rugged design makes the E800 ideal for fixed or mobile applications.







### **E800 KEY ADVANTAGES**

- AVAILABLE IN X AND C BAND OPTIONS
- Compact, fully integrated, rugged design makes the E800 ideal for fixed or mobile applications
- Simultaneous Dual Polarization standard
- Multiple high resolution Beam Width options
- Next generation EWR field proven solid state GaN transmitters
- Proprietary multi-amplifier design
- Wideband user adjustable transmit frequency
- Industry leading signal processing
- Hybrid Pulse Technology eliminates the radar blind range associated with other solid state radars
- Ultra-low power consumption and operating costs
- The most complete suite of meteorological products available
- Perfect for creating an affordable network in difficult terrain and metropolitan areas or as a “gap filler” in existing networks
- Virtually maintenance free, long life design utilizing factory sealed gearboxes and bearings
- 24/7 365 Day Help Desk Support

**Contact EWR for complete system specifications and available options.**



336 Leffingwell Avenue, St. Louis, MO U.S.A. 63122  
**314.821.1022 | [www.ewradar.com](http://www.ewradar.com)**