EWR RADAR SYSTEMS

E900 SERIES

Dual Polarization Radar

THE WORLD LEADER IN SOLID STATE WEATHER RADAR SYSTEMS

E900 SERIES

Dual Polarization Weather Radar - X and C Bands

THE WORLD'S MOST ADVANCED SOLID STATE WEATHER RADAR SYSTEMS

The E900 Series is the newest addition to the EWR line of the world's most advanced solid state weather radar systems. The E900 Series is available in a wide range of configurations to suit any geographic area or climate. Available in either X or C Band, with antenna sizes ranging from 2.4 to 4.3 meters and transmit power up to 4.8 kilowatts, the E900 can be built to meet the most difficult requirements.

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 harshest environments.

In fact, EWR is the #1 supplier of Portable Weather Radars to the United States Department of Defense and has a documented history of successfully producing and sustaining weather radar systems for multiple branches including the U.S. Air Force and the U.S. Marine Corps.

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 E700XD system in 2006. Today, EWR solid state transmitters are field proven with over 150 solid state 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 agile and can be tuned by the user to avoid interference.

The latest E900 transmitter uses a proprietary multi amplifier design that incorporates multiple "next generation" high power 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 radar systems, results in a system that outperforms all other solid state radars on the market today.

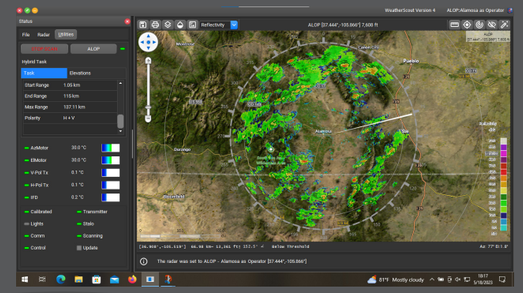
REVOLUTIONARY, FULLY INTEGRATED DESIGN

The E900's cutting edge, fully integrated design results in greatly reduced infrastructure and installation costs when compared to other, similarly sized weather radar systems. The E900's high resolution makes the system the perfect solution for stand alone use or "gap filling" in existing networks.

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

The E900 Series uses the newest industry leading weather radar processing technology and EWR WeatherScout® Software, providing weather radar products and warnings to the user.

With its high resolution, rugged design and field-proven reliability, the E900 is the ideal solution for stand alone use or "gap-filling" in new or existing networks.



The E900 includes the most complete suite of meteorological products available.

E900 KEY ADVANTAGES

- AVAILABLE IN X AND C BAND OPTIONS
- Simultaneous Dual Polarization standard
- Multiple high resolution Beam Width options
- Next generation EWR field proven solid state GaN transmitters
- Wideband, user adjustable transmit frequency
- Proprietary multi-amplifier design
- Industry leading signal processing
- Hybrid Pulse Technology eliminates the radar blind range associated with other solid state radars
- Proprietary, fully integrated design eliminates inefficient rotary joints and long external waveguide runs for optimal performance, reduced maintenance and low infrastructure costs
- Ultra-low power consumption and operating costs
- The most complete suite of meteorological products available
- Perfect for creating a cost effective network 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.

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