



E700 SERIES

X Band Portable Doppler Radar



THE WORLD LEADER IN SOLID STATE WEATHER RADAR SYSTEMS

E700 SERIES

The Portable Weather Radar of Choice for the U.S. Military

DEPLOYED IN THE MOST DEMANDING ENVIRONMENTS AROUND THE WORLD

EWR Radar Systems has been the industry leader in portable weather radar solutions since 1982. Today, EWR's Portable Weather Radar Systems are in the hands of a broad spectrum of end users including governments, oil companies, emergency management agencies, weather services and airports around the world.

EWR understands what it takes to build a radar system that is compact, rugged and can handle the rigors of mobile and rapid deployment in some of the most hostile conditions. This has led the United States Department of Defense to make EWR its primary supplier of ground-based portable weather radar systems. The E700 Weather Radar System is in use today by the U.S. Space Force, the United States Marine Corps for their Meteorological Mobile Facility (METMF) Next Generation (NEXGEN) systems and by the U.S. Air Force for its next generation PDR (Portable Doppler Radar) program.

INDUSTRY-LEADING EWR SOLID STATE GaN TRANSMITTER WITH PULSE COMPRESSION AND HYBRID PULSE TECHNOLOGY

EWR pioneered the use of solid state GaN transmitters in weather radar systems.

Where other Doppler radars utilize tube transmitters (klystrons, magnetrons, TWTs, etc.) that require frequent maintenance, high voltage and are prone to failure in difficult environments such as those found in mobile applications, the E700 uses a long life solid state GaN transmitter which is virtually maintenance free and consumes far less power.

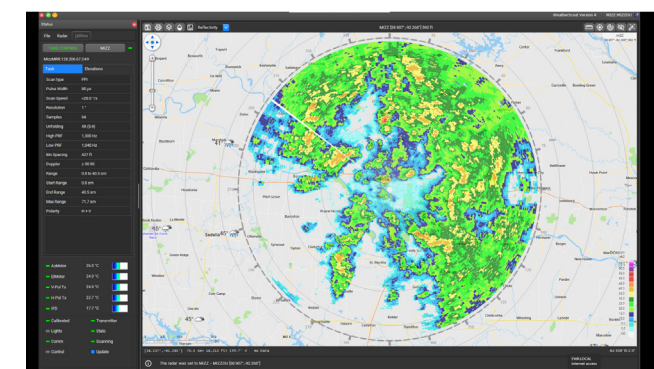
EWR solid state transmitters are field proven with over 150 solid state weather radar systems installed around the world today. This is a statement and experience that no other manufacturer can match!

IDEAL FOR ANY INSTALLATION

The compact, rugged design of the E700 makes it the ideal choice for mobile, temporary, tactical or permanent applications. The E700 is designed to be easily mounted on a retractable mast, tower, rooftop, trailer or vehicle. The E700 is the perfect solution for "gap filling" in existing networks and difficult terrain situations and also as the baseline system for creating a dense network of X band weather radars.

The E700 Radar System is composed of three main components:

- **Radar Pedestal Unit** - contains receiver, transmitter, antenna, signal processor
- **Radar Server and Power Supply** - housed in environmentally controlled, ruggedized case included as an option for field deployment
- **Commercial Off The Shelf PC Workstation or Laptop** running EWR WeatherScout® Radar Control and Display Software



The WeatherScout® PC Workstation provides all of the user interface and control functionality of the radar.

The E700 includes the most complete suite of meteorological products available.



McMurdo Station,
Antarctica



The E700 is fully
ruggedized for field
deployment and can
be installed in less
than 30 minutes.



Unlike other portable
radars, the E700 can
be purchased
as a complete
ruggedized system
that can withstand
the rigors of field
deployment.





E700 KEY ADVANTAGES

- The Radar of Choice for the U.S. Military
- Single and Dual Polarization options available
- Compact, Lightweight, Rugged Design
- Easily mounted on a retractable mast, tripod, tower, rooftop or vehicle
- Can be field installed in 30 minutes or less
- Commercial Off The Shelf (COTS) product
- Cost Effective - lower system and infrastructure costs
- Field Proven EWR 200W solid state transmitter design with pulse compression and Hybrid Pulse technology standard (400W or 800W optional)
- Industry-leading signal processing
- Hybrid Pulse technology eliminates the radar blind range associated with other long pulse width radars
- Easy to use WeatherScout® Radar Control and Display Software
- The most complete suite of meteorological products available
- Perfect for creating a dense network design in difficult terrain and metropolitan areas
- Ideal for "Gap Filling" in existing networks
- Complete remote & network operability included
- EWR 24/7 365 Day Help Desk Support

Contact EWR for complete system specifications and available options.



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