

New Ranger X Series

The new era of portable,
affordable X-Band radars
is here!



Highlights

- Seamless integration into the Max Ecosystem
- Complete system simply requires radar and equipment rack or cabinet
- No large civil works
- Available as Single-Pol or Dual-Pol
- Q2 Digital Signal Processor
- Ultra-high resolution data for short to medium range weather detection
- Rapid update cycles; up to 7x faster than NEXRAD
- Fully solid-state solution

Everything you want in an X-Band is in EEC's new, truly portable Ranger® weather radar system. The Ranger system features dual-polarity accuracy, solid-state transmitters, and low power consumption, all in one compact, affordable, versatile unit.

More beams for the buck

Ranger includes the latest X-Band radar technology into a compact design that can be installed in hard-to-reach locations — and even deployed in the back of a pick-up truck. Yet despite its small size, it packs a powerful punch. Its innovative pulse compression strategy provides exceptional range and resolution. In contrast to other radar, Ranger's algorithms are designed specifically for the X-Band spectrum — providing more accurate identification of severe weather. Choose the lightweight Ranger-X1 or the Ranger-X5 with more radiated power — all Ranger models are equipped with our new, highly advanced dual-polarization system that competes with anything else in the marketplace. Designed to integrate seamlessly into the Max Ecosystem and partnered with Max Storm, Ranger's powerful twin beams will zap your competition — and electrify your audience. The series is priced so low, you can own two Rangers for less than the price of one C-Band radar. So you get big performance, without a big price-tag.



Figure 1: Ranger-X5

The total package

EEC's turnkey design, manufacturing, and installation processes allow us to configure your Ranger system to your exact specifications, offering permanent or mobile installment, and robust end-to-end support. But you won't need to make a date with our technicians any time soon — Ranger's patented sealed pedestal technology eliminates costly lube and bearing maintenance for at least ten years. And Ranger's compact design eliminates the need for expensive towers. That means a 30 percent savings on installation, and a 50 percent savings on its radome compared to older C-Band models.

Contact your representative at The Weather Company, an IBM Business, and discover just how affordable upgrading your radar — and your ratings — can be.

About The Weather Company, an IBM Business

The Weather Company, an IBM Business, helps people make informed decisions and take action in the face of weather. The company offers the most accurate forecasts globally with personalized and actionable weather data and insights to millions of consumers, as well as thousands of marketers and businesses via Weather's API, its business solutions division, and its own digital products from The Weather Channel (weather.com) and Weather Underground (wunderground.com).

The company delivers around 25 billion forecasts daily. It's products include the world's most downloaded weather app, a network of 250,000 personal weather stations, a top-20 U.S. website, one of the world's largest IoT data platforms, and industry-leading business solutions.

Weather Means Business™. The world's biggest brands in aviation, energy, insurance, media, and government rely on The Weather Company for data, technology platforms and services to help improve decision-making and respond to weather's impact on business.

For more, visit theweathercompany.com



© 2017 Copyright The Weather Company,
an IBM Business

The Weather Company, an IBM Business
400 Minuteman Rd
Andover, MA 01810

Produced in the United States of America
August 2017

IBM, the IBM logo and ibm.com are trademarks of International Business Machines Corp., registered in many jurisdictions worldwide. The Weather Company®, The Weather Company® and device, are trademarks or registered trademarks of TWC Product and Technology, LLC, an IBM Company. Other product and service names might be trademarks of IBM or other companies. A current list of IBM trademarks is available on the Web at “Copyright and trademark information” at www.ibm.com/legal/copytrade.shtml.

This document is current as of the initial date of publication and may be changed by IBM at any time. Not all offerings are available in every country in which IBM operates.

The information in this document is provided “as is” without any warranty, express or implied, including without any warranties of merchantability, fitness for a particular purpose and any warranty or condition of non-infringement.

IBM products are warranted according to the terms and conditions of the agreements under which they are provided.

The performance data and client examples cited are presented for illustrative purposes only. Actual performance results may vary depending on the specific configurations and operating conditions. It is the user’s responsibility to evaluate and verify the operation of any other products or programs with IBM product and programs.

Statement of Good Security Practices: IT system security involves protecting systems and information through prevention, detection and response to improper access from within and outside your enterprise. Improper access can result in information being altered, destroyed, misappropriated or misused or can result in damage to or misuse of your systems, including for use in attacks on others. No IT system or product should be considered completely secure and no single product, service or security measure can be completely effective in preventing improper use or access. IBM systems, products and services are designed to be part of a lawful, comprehensive security approach, which will necessarily involve additional operational procedures, and may require other systems, products or services to be most effective. IBM does not warrant that any systems, product or services are immune from, or will make your enterprise immune from, the malicious or illegal conduct of any party.