

Proven. Safer. Better.

Fly with confidence, knowing you've partnered with the very best. As the worldwide flight-safety leader, Honeywell delivers the demonstrated value and performance, unmatched experience, and superior customer service you can depend on.

Worldwide support.

With the most extensive and capable sales offices, field service engineers, distribution centers, repair and overhaul centers, and more than 800 installation service centers positioned around the globe—from the Americas to Europe, across the Middle East and Africa, and throughout the Asia-Pacific region—Honeywell is the worldwide force that keeps your fleet in the air 24/7/365.

The Honeywell advantage.

Honeywell Aerospace draws upon a depth of knowledge, experience, and resources unmatched in the industry. We are a global leader in integrated avionics, engines, systems, and service solutions for aircraft manufacturers, airlines, business and general aviation, military, helicopters, space, and airport operations.

Specifications

	Mark XXI EGPWS	Mark XXII EGPWS
MTBF (helicopter derated)	7,000 operating hours	5,500 operating hours
Packaging	Non-ARINC	Non-ARINC
Power	8 watts normal operation	15 watts normal operation
Voltage	10–32 VDC	28 VDC
Mechanical (dimensions H x W x L)	3.95 x 2.20 x 6.25 inches	6.2 x 3.0 x 12.1 inches
Weight	1.5 pounds	3.9 pounds
Cooling	ARINC 600-6, forced-air cooling not required	ARINC 600-6, forced-air cooling not required
Environmental	Meets RTCA DO-160D	Meets RTCA DO-160D
Warranty	2 years	3 years
TAWS certification	Designed and certified to TSO-C151b. Class B, GPWS, and terrain awareness and display functions are tailored to unique helicopter flight operations.	Designed and certified to TSO-C151b. Class A, GPWS, and terrain awareness and display functions are tailored to unique helicopter flight operations.

Honeywell Mark XXI & Mark XXII EGPWS



**ENHANCED GROUND PROXIMITY
WARNING SYSTEMS**

The most advanced protection for helicopters

Find out more

For more information visit www.egpws.com or call 505-828-5714.

Honeywell International Inc.
1944 E. Sky Harbor Circle
Phoenix, AZ 85034

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Honeywell

The only system just for helicopters.

Ensure safe flight with the only Terrain Awareness and Warning Systems (TAWS) designed from the ground up specifically for helicopters. Honeywell's Mark XXI and XXII Enhanced Ground Proximity Warning Systems (EGPWS) help prevent avoidable collisions with the ground, water, and obstacles such as towers—even when flying in changing weather with poor visibility, rough terrain, or at low altitudes. More than a decade in development by the leader in aviation-safety systems, the Mark XXI and XXII deliver proven protection for life.

Engineered specifically for rotary wing flight.

Protect all your operations from Controlled Flight Into Terrain (CFIT) collisions with the life-saving Mark XXI or Mark XXII Enhanced Ground Proximity Warning System—the first such systems designed and configured specifically for the dynamic factors of helicopter performance.

In ever-changing conditions, marginal weather combined with an unforeseen hazard can conspire against even the best pilot. Honeywell's warning systems minimize risks and maximize reaction time by constantly and unobtrusively monitoring terrain and obstacles in proximity of the helicopter. Crews see an intuitive view of nearby terrain that greatly enhances their situational awareness and get alerts only when there is a very real danger.

High performance for IFR or VFR helicopters.

EGPWS delivers the highest performance, precision, reliability, and value in helicopter flight safety:

- Mark XXII EGPWS—For IFR-equipped helicopters with a radio altimeter. (Class A TAWS)
- Mark XXI EGPWS—For VFR-equipped helicopters without a radio altimeter.

Superbly accurate.

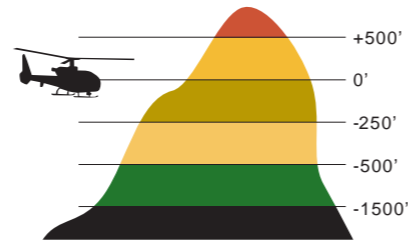
Honeywell applied 30 years of expertise as the worldwide leader in ground proximity warning and aviation safety to custom-develop a system that would fit the unique flight operations of helicopters. And thanks to helicopter-specific alerting algorithms and a high-resolution (6 arc-second) database of terrain and obstacles, the Mark XXI and XXII EGPWS deliver accuracy at any altitude. So pilots always have precision-tuned guidance that enhances their situational awareness and reduces the risk of CFIT incidents – with no false warnings, ever.

The best overall protection, day or night.

Research shows that helicopter CFITs occur more often in daytime VFR cruise conditions than under all other conditions combined. EGPWS was designed with this in mind. So it's always on guard, in the best or worst conditions, day or night, never fatigued or distracted, dynamically monitoring the aircraft's actual proximity to potential terrain and obstacle threats and alerting pilots to any hazards that lie just out of view by way of a visual display and verbal alerts.



The EGPWS terrain display delivers unparalleled situational awareness for real protection and peace of mind.



Day or night you'll have a clear view of nearby terrain, water, and obstacles with one quick look at the intuitive color bands on your display.

Enhanced Features

	Mark XXI	Mark XXII
Proprietary Honeywell Database		
Worldwide Terrain Database (11 Regions)	✈️	✈️
Airports	✈️	✈️
Obstacles	✈️	✈️
Oil Rigs	✈️	✈️
Look-ahead Algorithms		
Alerting based on projected path (turn extrapolation) and climb performance	✈️	✈️
Internal GPS Card		
Geometric Altitude	✈️	✈️
Display Interfaces		
Single	✈️	✈️
Dual	✈️	✈️
EFIS	✈️	✈️
Wx Radar Indicator, MFD, Standalone	✈️	✈️
Terrain display		
Auto Display Pop-up	✈️	✈️
Auto Range	✈️	✈️
Enroute Terrain Display (Peaks)	✈️	✈️
Vertical Situation Display (VSD)	✈️	✈️
EGPWS Suppress Options		
Low Altitude Mode	✈️	✈️
Audio Inhibit (5 minutes)	✈️	✈️
Terrain Inhibit	✈️	✈️



Flying low-level in VFR conditions? Simply engage one of the system's available suppress features, such as Low Altitude Mode, to curtail warnings while retaining a view of surrounding terrain and obstacles on the display.



Classic Features

	Mark XXI	Mark XXII
Excessive Descent Rate (Mode 1)	✈️	✈️
Excessive Closure Rate/Rising Terrain (Mode 2)	✈️	✈️
Descent After Takeoff (Mode 3)	✈️	✈️
Insufficient Terrain Clearance (Mode 4)	✈️	✈️
Descent Below Glideslope (Mode 5)	✈️	✈️
Altitude Callouts (Mode 6):		
Excessive Bank Angle	✈️	✈️
Tail Strike Protection	✈️	✈️
Autorotation	✈️	✈️
Meets North Sea AVAD callout requirement	✈️	✈️

Additional Features

	Mark XXI	Mark XXII
Airspeed Expansion	✈️	✈️
Envelope Modulation	✈️	✈️
Tower Guy Wires	✈️	✈️
Built-in Test	✈️	✈️