

GENESIS II

ADVANCED TECHNOLOGY POLICE RADAR

← DIRECTIONAL →



A New Level of Control

Finally, there's a radar that operates the way you hoped it could! Our moving directional technology, combined with the industry's first 32-bit DSP processing, makes the Genesis II DIRECTIONAL the most advanced radar available today.

- **Isolate Traffic in One Direction**
- **Automatic Same Lane Operation**
- **Twin Interference Filtering System**
- **The Industry's Best FAST Tracking Method**

Now There's No Place to Hide

Features and Performance Second to None



Simple and Automatic Same Lane

The Genesis II DIRECTIONAL is able to automatically determine if a same lane target is going faster or slower than the patrol car. The unit can now provide the operator with the proper same lane target speed instantly, requiring no additional steps by the operator. Same Lane Mode has become simple.



Advanced Target Identification

Whether the patrol vehicle is stationary or moving, the Genesis II Directional makes it easier to identify your target. You decide which direction of traffic to measure. You can track vehicles going in both directions simultaneously, or isolate your focus to traffic moving in either direction.

Improved RFI Rejection

The new Genesis II DIRECTIONAL utilizes a unique combination of twin interference filters — one in the antenna and the other in the counting unit. It also includes an RFI detection system in the computer. This redundant method has improved the unit's ability to reject outside interference and operate imperviously in high interference environments. Our engineers like to call the new system "RFI Hardened."

*Rejects RFI
Even Better
Than the
Original
Genesis II*

Waterproof Antennas

The horns are machined from a solid block of aluminum and an O-ring seal keeps everything dry inside.



Fully Loaded with Every Feature

- Moving & Stationary Directional Sensing
- Automatic Same Lane Operational Mode
- Fast Tracking and Locking
- Small Detachable Display
- Comfortable Hand Remote
- Graphic Mode Display Window
- Two K-Band Directional Waterproof Antennas
- Sunlight Readable LEDs
- Stopwatch Mode
- 32-Bit Digital Signal Processing
- Software Upgradeable Design
- Pure Doppler Audio (Not Synthesized)

Small Detachable Display

The small detachable display unit can be mounted almost anywhere in the patrol vehicle. The LED display is visible even in direct sunlight, and the display can be automatically dimmed at night thanks to a built-in ambient light sensor.



Intuitive Graphic Displays

The mode window displays error messages, settings and other alpha numeric information in a user-friendly and intuitive manner. Other radars rely on seven segment number displays, which often result in cryptic messages that are very difficult to understand.

Indicates the Patrol Speed is Set to City Mode



A Competitor's Display



Shows a Bi-Directional Operational Mode Setting



A Competitor's Display



The Range Setting



A Competitor's Display



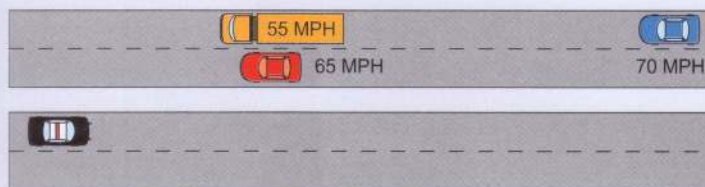
The Sensible Approach to Fast Targets

FAST, FASTER, FASTEST

One of the recent advances in police radar is the ability to identify FASTER targets. It is also one of the most misunderstood features.

"Oops, I Thought That Was You"

Some other manufacturers promote a "Fastest Target Mode." That method lets the radar display the very fastest target it can find. The potential for error in this method is obvious. The operator may think that the fastest speed is the speed of the sports car passing the truck in front. The radar, however, may have been measuring the speed of a very distant car the operator did not notice. The Fastest method fails to abide by evidentiary requirements and risks having a large number of citations dismissed.



Fast Done Right

Our desire at Decatur Electronics is to make our radar systems an effective tool that your department can use to provide honest evidence that will stand up in court. When a Decatur Electronics radar is placed into the Fast mode, it will display and track the speed of the vehicle that is the second strongest target — as long as that target is going faster than the primary target. The full Doppler audio is also generated for the Fast target and the operator can lock a Fast target just as easily as the primary target speed can be locked. This is the only method of clocking fast targets that meets all of the evidentiary rules demanded by the courts. The Decatur Electronics method removes the potential for error in identifying targets, and it makes the most sense to an operator.

Years of Proven Unmatched Service



We Are The Radar Experts

Decatur Electronics has been in business for nearly 50 years and has been producing police radar longer than any other company. As the recognized leader in customer service, we are committed to providing a superior level of support unmatched in the industry.

48-Hour In-Factory Turnaround

Decatur Electronics radar products are backed by a 48-hour in-factory repair turnaround guarantee. This fast turnaround reduces downtime. No other radar manufacturer can match this service.

Lemon-Free Guarantee

Many years ago, Decatur Electronics instituted the industry's first lemon law policy regarding defective components and material workmanship. In the unlikely event that your radar unit requires service more than three times during its warranty period, Decatur Electronics will replace it with a new unit — hassle-free.

You Can Count On Us!

SPECIFICATIONS

Performance Specification

Stationary Accuracy	+/- 1 MPH
Moving Accuracy	+/- 2 MPH
Target Speed Range	10 - 210 MPH
Patrol Speed Range	5 - 100 MPH
Speed Sampling Rate	100 Samples / Sec.

Microwave Specifications

Operating Frequency	K-Band, 24.150 GHz
Beam Width	12 Degrees Nominal
Power Output	10 mW Nominal

Electrical Specifications

Input Voltage	10.8 - 16.5 VDC
Operating Temperature	-30° C - +70° C
DSP Computer	32-Bit Processing

Mechanical Specifications

Display Unit	1.45"H x 5.25"W x 1.1"D
Computer Unit	1.45"H x 5.25"W x 3"D
Combined Weight	1.3 Pounds
K-Band Directional Antenna	0.7 Pounds
	1.4 Pounds (Combined)

Warranty

Parts and Labor	2 Years
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Certified ISO 9001