

GENESIS II SELECT TECHNICAL SPECIFICATIONS

Radar

Target Speed Range

10 - 210 mph (16 - 338 km/h)

Patrol Speed Range

5 - 100 mph (8 - 161 km/h)

Speed Sampling Rate

100 Samples / Sec.

Operating Frequency

K-Band, 24.150 GHz

Ka-Band, 25.50 GHz

Beam Width

12° nominal

Power Output

10 mW nominal

Antenna Weight

K-Band, 0.8 lbs. each

Ka-Band, 0.5 lbs. each

K-Band Directional, 0.7 lbs. each

Computer/Display Unit

Software Options

FASTER Tracking Software

Same Lane Operational Mode

Stopwatch Operational Mode

In-Car Video Camera Interface

K-Band Directional Software

Input Voltage

10.8 - 16.5 VDC

Operating Temperature

-22°F - +158°F (-30°C - +70°C)

DSP Computer

32-Bit Processing

Dimensions

Display Unit: 1.45" H x 5.25" W x 1.1" D

(36.83 mm H x 133.35 mm W x 27.94 mm D)

Computer Unit: 1.45" H x 5.25" W x 3" D

(36.83 mm H x 133.35 mm W x 76.2 mm D)

Combined Weight

1.3 lbs.

Features

Superior RFI Rejection

The new Genesis II Select utilizes a unique combination of radio interference filters in the antenna and the counting unit, plus an RFI detection system in the computer. This redundant method has improved the unit's ability to operate imperviously in high interference environments and provide outstanding range without the false readings that can plague other long range radars.

The Industry's Best Tracking Method

The Genesis II Select offers an option for FASTER tracking. 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.

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.

Compact Detachable Display

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

High Quality Remote Control

The extruded metal remote control fits comfortably in your hand and the operational keys are placed in easy reach of your thumb. The continuously backlit buttons make nighttime operation a snap.

Easy to Use Automatic Same Lane (Directional Only)

The Genesis II Select 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.

Advanced Target Identification (Directional Only)

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