

**Compact mounted radar for in-car and motorcycle operations. New features optimize tuning fork test and certifications.**

## Outstanding Performance

- High performance directional K and Ka antennas
- Displays fastest target quicker than leading competitor
- Automatic or manual backlight adjustment
- LCD graphical display with full text messages eliminates interpreting abbreviations
- Day/Night display offers superior visibility, especially in direct sunlight
- Complete radar control with display eliminating downtime if remote is damaged or lost
- First radar to support IACP approved COP (Common Output Protocol) to interface with in-car video
- Verified patrol speed indicator with VSS sync
- IP67 water and dustproof: separated display for motorcycles and externally mounted antennas
- **New** Printer for roadside citations
- **New** Advanced fork test procedures gets you operational faster



Moving same lane operation shown



Ka-Band antenna



K-Band antenna

## Patented Innovations

- DuraTrak™ target tracking bars support tracking history increasing target identification confidence
- TruTrak™ VSS interface enables automatic mode switching between moving and stationary modes eliminating patrol shadowing and combining errors
- Smart Patrol Search rejects inaccurate patrol speeds
- **New** Certification warning and optional expiration lockout assists with certifications management



Night Display



In Direct Sunlight

## Flexible Configuration

- 2-ball suction or permanent mounts available
- Single or dual, K or Ka band waterproof antennas
- Flexible mounting solutions for in-car and motorcycle
- NHTSA Conforming Product List

**High performance directional K and Ka**

**DuraTrak™ target tracking**

**Certification warning and lockout**

# Raptor RP-1™

## Traffic Safety RADAR



### Options

- Single or dual K or Ka directional antennas
- Same direction moving mode with auto Fastest
- Separable display
- Wireless IR remote
- GPS suction or permanent mounts
- Motorcycle mounting kits available
- Motorcycle speaker amplification kit
- In-car and motorcycle video interface cables
- **New** Printer for roadside citations
- **New** Fork test procedure
- **New** Certification warning and lockout
- **New** Count-up timer (elapsed time since lock)
- Online operator certification training



### Raptor Display



### Specifications

	K-band	Ka-band
Frequency:	24.125 GHz +/- 100 MHz	35.5 GHz +/- 100 MHz
Beam Width:	12° +/- 1° (Horizontal)	12° +/- 1°
Polarization:	Linear	Circular
Power Density:	Less than 1 mW/cm2 at aperture	Less than 5 mW/cm2 at aperture
FCC Type:	15	90
Operating Voltage:	9.0 to 16.5 VDC	10.8 to 16.5 VDC
Operating Temperature:	-22°F to +140°F (-30°C to +60°C) 90% relative humidity at 37°C, non-condensing	
System Accuracy:	Stationary +/- 1 mph (+/- 1 km/h); Moving +1/-2 mph (+1/-2 km/h)	
NHTSA Conforming Product List		



### Small Profile

• Display:	2.6" x 4.1" x 1.5" (6.6cm x 10.4cm x 3.8cm)	.30 lbs (136 g)
• Processing unit:	1.2" x 3.9" x 2.35" (3cm x 9.9cm x 5.9cm)	.35 lbs (159 g)
• K band antenna:	3.1" x 3.1" x 1.5" (7.9cm x 7.9cm x 3.8cm)	.45 lbs (204 g)
• Ka band antenna:	2.7" x 2.7" x 3.8" (6.9cm x 6.9cm x 9.7cm)	.66 lbs (299 g)

### Flexible Mounting Options



Motorcycle Mount



Display Suction Mount



Antenna (K & Ka) Suction Mount

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