

# R44<sup>®</sup> RAVEN II POLICE HELICOPTER







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## THE COMPLETE SOLUTION

Robinson's R44 Raven II Police Helicopter delivers the performance, technology and affordability that law enforcement agencies have long wanted in a police helicopter, but have been unable to find. Until now.

The R44 Police Helicopter arrives ready for duty with the specialized equipment – infrared imaging system, searchlight, monitor, dual audio controller for police radios, etc. – already installed and FAA-approved. And the R44 Raven II's low maintenance requirements and proven reliability ensure your R44 Police Helicopter will be on patrol for years to come.

In addition to patrol, surveillance and incident response, today's police departments face expanded missions that now include gangs, drugs, and homeland security. Meeting these responsibilities without increasing manpower requires a force multiplier, and few are as effective as a helicopter. Studies show a helicopter equals at least five ground units in search ability, and provides a tactical advantage in apprehending fleeing suspects during high-speed pursuits.

For public safety agencies seeking a law enforcement aircraft, the **R44 Police Helicopter**, with its turbine-like performance and piston price tag, is the complete solution.

## RAPID RESPONSE

### FIRST ON THE SCENE

A fuel-injected, high performance Lycoming IO-540 engine gets the R44 Police Helicopter where it's needed fast. Once on patrol, the R44 can remain on station for up to three hours when fully fueled. This powerful engine, coupled with an aerodynamic fuselage, enables the R44 Police Helicopter to cruise at up to 130 mph. Optimized installation of exterior-mounted equipment minimizes drag and maximizes speed.

### MISSION-TESTED RELIABILITY

Today's police departments need a helicopter that's a workhorse, able to fly 24-hours a day, seven days a week. There's no helicopter more reliable than the

Robinson R44 Raven II Series. The R44 operates for 100 hours between inspections, and up to 2,200 hours or 12 years between overhauls. Reliability results in safety. NTSB statistics confirm the R44 Helicopter has less accidents due to aircraft or engine failure than other available light helicopters.



## ADVANCED TECHNOLOGY

### FACTORY-INSTALLED NOSE GIMBAL

FLIR Systems' Ultra 8000 Thermal Imaging Camera is the most compact, lightweight turret available. The gimbal rotates 360 degrees, and its stabilization technology enables crisp, detailed images.

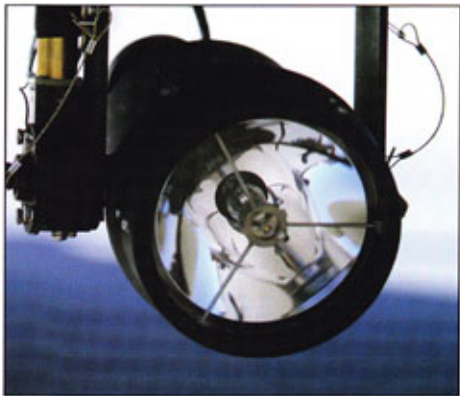


### HAND CONTROLLER

The Ultra 8000 comes with an ergonomic hand control unit that has back lighting and large knobs for easy operation.

### OPTICAL PERFORMANCE

The camera's continuous zoom can be adjusted on the fly or through three programmable settings. An 18x optical and digital zoom along with advanced low-light capture improves image quality.



### POWERFUL SEARCHLIGHT

A 500-watt xenon lamp emits a 15-20 million candlepower high-intensity, focusable beam. The light can be directed by either the hand controller or, as an option, by slaving it to the nose-mounted gimbal. The searchlight is positioned below the right rear seat to allow left banked turns without the light beam being obstructed by the skid.

## EQUIPPED FOR PATROL

### FOLD-DOWN MONITOR

A 10-inch, sunlight-visible color LCD screen easily switches between the FLIR camera and the optional Moving Map, and can be lowered when the system is not used. The monitor mount accommodates various single- and multi-band FM police radios.

### EASE OF OPERATION

Equipment is positioned for easy access and viewing, day or night. User-installable left-side pedals and collective control allow a pilot-rated observer to fly the aircraft with the center cyclic control.

### OPTIONAL EQUIPMENT

A variety of optional equipment is available including: Four-point shoulder harness system (front seats), P/A speaker and siren (100 watt); Microwave downlink capability; LoJack; Moving Map, and a selection of UHF, VHF, and 800 MHz police radios.

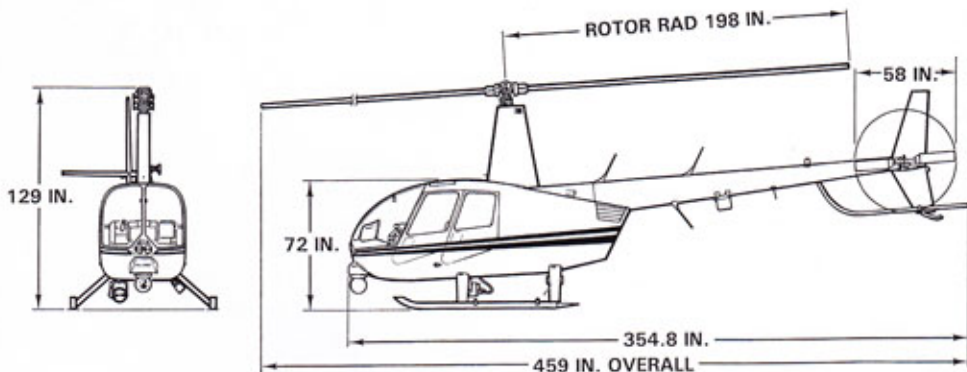
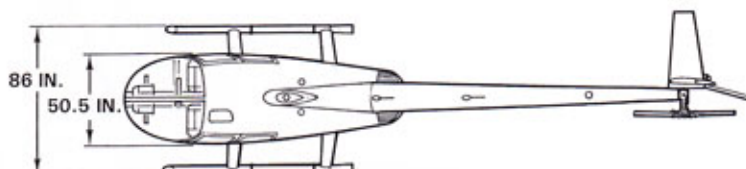


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*The Crime-Fighting Tools You Need  
... the Helicopter You Can Afford.*



## SPECIFICATIONS

### WEIGHTS

Gross Weight .....	2,500 lb
Empty Weight (include oil & avionics) .....	1,506 lb
Standard Police Package .....	125 lb
Standard Fuel (30.6 gal) .....	184 lb
Auxiliary Fuel (18.3 gal) .....	110 lb
Passengers & Cargo with Full Fuel .....	575 lb

### PERFORMANCE

Cruise Speed .....	Up to 130 mph (113 kts)
Max. Range .....	Over 300 miles (261 nm)
Hover Ceiling IGE @ 2500 lb .....	8,950 ft
Hover Ceiling OGE @ 2300 lb .....	7,500 ft
Hover Ceiling OGE @ 2500 lb .....	4,500 ft
Max. Rate-of-Climb @ 2500 lb & 6000 ft ..	Over 1000 fpm
Max. Operating Altitude .....	14,000 ft

## ROBINSON HELICOPTER COMPANY

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