

## COMPACT CAPABILITY

Sensor systems are becoming ever more capable while at the same time are lighter, more compact and more affordable than ever. Special mission customers no longer need a large multi-million dollar turbine-powered platform to carry heavy, antiquated technology. With lightweight sensor payloads, Cirrus Aircraft recognized the potential of the SR22 and SR22T as ideal platforms to integrate with modern sensor systems to create a special mission aircraft that has no rival in terms of cost, systems integration, mission adaptability or flexibility.

## MISSION FLEXIBILITY

To meet customer mission requirements, Cirrus has partnered with recognized experts in the special mission industry. Working closely with our partners, Cirrus Perception™ offers an array of sensor and user station options, including multi-spectral and electro-optical infrared capabilities. The options are customizable to accommodate any payload within the size and weight requirements. Additionally, Cirrus is working with a number of sensor providers and system integrators to ensure the best integration services available.



CIRRUS PERSPECTIVE+™ BY GARMIN®



## CIRRUS PERCEPTION®

CIRRUS SR22 AIRCRAFT			
PERFORMANCE	Takeoff	1,082 ft	330 m
	Takeoff Over 50 ft Obstacle	1,868 ft	569 m
	Climb Rate	1,270 ft/min	6.45 m/sec
	Max Operating Altitude	17,500 ft	5,334 m
	Stall Speed with Flaps	60 KCAS	60 KCAS
ENGINE	Max Cruise Speed	183 KTAS	183 KTAS
	Landing Groundroll	1178 ft	359 m
	Manufacturer	Continental	
DIMENSIONS	Model	IO-550-N	
	Horsepower	310	
	Wingspan	38 ft 4 in	11.68 m
	Length	26 ft	7.92 m
	Height	8 ft 11 in	2.7 m
	Cabin Width	49 in	124 cm
	Cabin Height	50 in	127 cm
		US STANDARD	METRIC

CIRRUS SR22T AIRCRAFT			
PERFORMANCE	Takeoff	1517 ft	462 m
	Takeoff Over 50 ft Obstacle	2080 ft	634 m
	Climb Rate	1,203 ft/min	6.1 m/sec
	Max Operating Altitude	25,000 ft	7,620 m
	Stall Speed with Flaps	60 KCAS	60 KCAS
ENGINE	Max Cruise Speed	213 KTAS	213 KTAS
	Landing Groundroll	1178 ft	359 m
	Manufacturer	Continental	
DIMENSIONS	Model	TSIO-550-K Turbocharged	
	Horsepower	315	
	Wingspan	38 ft 4 in	11.68 m
	Length	26 ft	7.92 m
	Height	8 ft 11 in	2.7 m
	Cabin Width	49 in	124 cm
	Cabin Height	50 in	127 cm
		US STANDARD	METRIC



## CONTACT

**David Moser** | Vice President - Fleet & Special Mission Aircraft  
 dmoser@cirrusaircraft.com | +1.303.590.4503

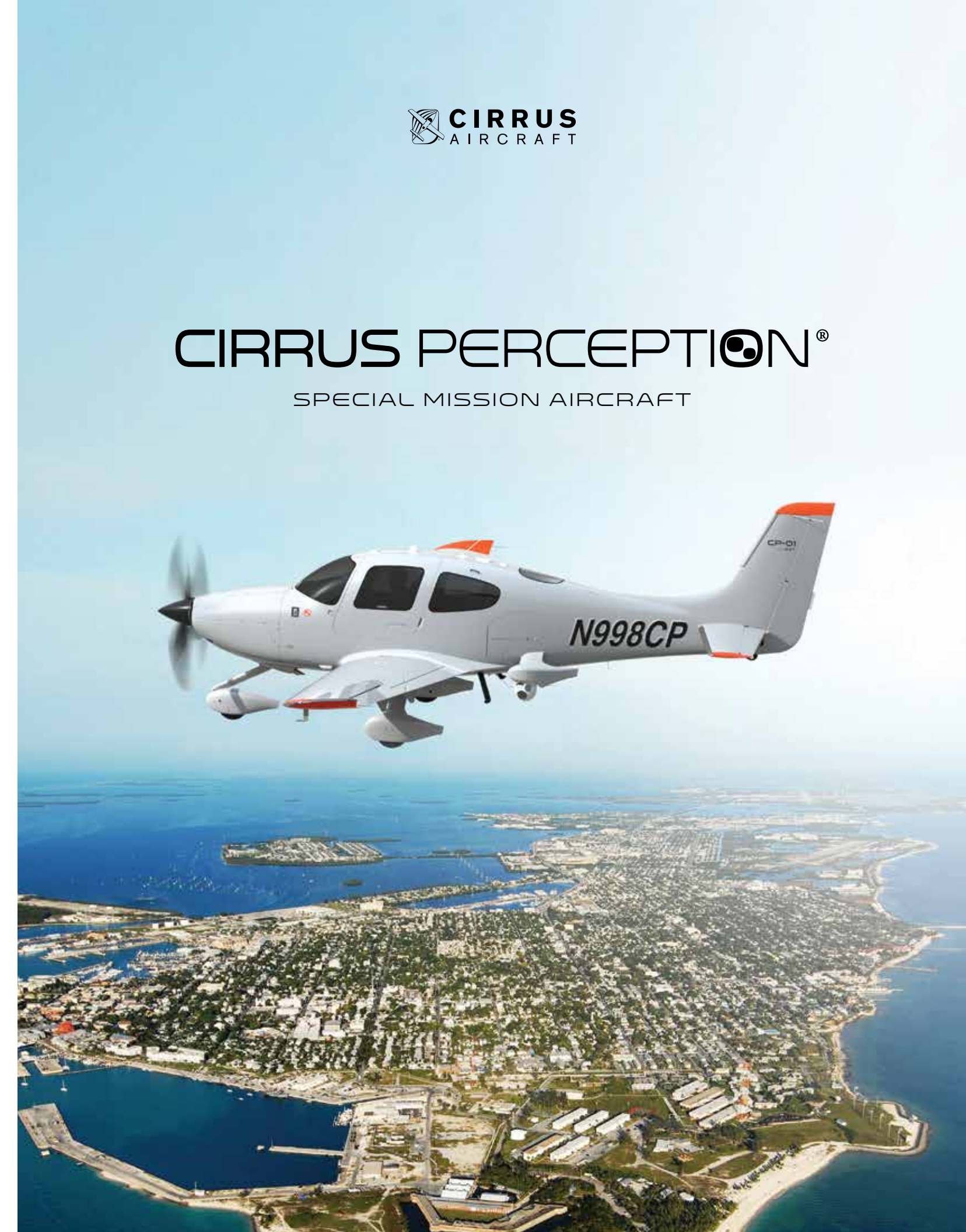
4515 TAYLOR CIRCLE DULUTH, MINNESOTA 55811 USA | [CIRRUSAIRCRAFT.COM](http://CIRRUSAIRCRAFT.COM)

Specifications, weights, representations, colors, list of equipment, use of materials and model references, are not warranted or guaranteed to be true or accurate. Actual Useful Load will vary depending on options installed on the aircraft. Always consult specific aircraft weight and balance data for flight planning. The pictures contained on this website and/or brochure of specific models or other products may contain optional equipment or nonstandard features, which even if available, may be at an additional cost. You may rely only upon statements and representations contained in actual contracts that you enter into with Cirrus Design Corporation Materials outside of the contract, such as may be contained on this website and/or brochure, are not to be considered part of, inducement for, or given in reliance on, when you enter into any contract or agreement with Cirrus Design Corporation. Prices are subject to change without notice. © 2017 CIRRUS AIRCRAFT. ALL RIGHTS RESERVED.



## CIRRUS PERCEPTION®

SPECIAL MISSION AIRCRAFT





## YOUR MISSION SOLUTION



## CIRRUS PERCEPTION®

The Cirrus Perception™ special mission platform combines the world's most sophisticated single engine aircraft with modern, lightweight airborne sensors. The removable, reconfigurable sensor mounting system can carry an array of different vendor provided sensors. In today's challenging budget environment, the Cirrus Special Mission Platform is a force multiplier, allowing one plane to service multiple missions.

### UNLIMITED MISSION PURPOSES

- Airborne Command & Control
- Traffic Enforcement & Studies
- Drug Interdiction
- Land Use Surveys
- All-Weather Transport
- Companion Trainer
- Airborne Law Enforcement
- Hydrocarbon Leak Detection
- Infrastructure + Border Surveillance
- ISR
- Border Patrol
- ELINT/COMINT
- Search & Rescue (SAR)
- Drug Interdiction
- Aerial Surveys
- Aerial Mapping
- Disaster Management

### VERSATILITY

#### One Plane. Multiple Missions.

The proprietary Cirrus Sensor Mounting System (SMS) is the core of the Cirrus Perception's mission flexibility. The modular, removable and reconfigurable system is FAA certified and designed to provide ultimate mission flexibility with a variety of sensor options. Sensors can be easily swapped or removed entirely. With no sensor system mounted, the Cirrus Perception is flown as a standard SR22 or SR22T.



### SENSOR REMOVAL IN UNDER 5 MINUTES



### CAPABILITY THROUGH SAFETY

Safety has been in the forethought of everything we've ever done at Cirrus. As the "plane with the parachute," we're famous for it.

With the introduction of the Perception special mission platform, Cirrus provides our customers with the most technologically advanced special mission aircraft in its class. In addition to an array of special mission capabilities, the Cirrus Perception™ includes all of the other benefits available in the SR22 and SR22T. These include: the Cirrus Airframe Parachute System™ (CAPS™), Cirrus Perspective+™ by Garmin® avionics suite, air conditioning, 210+ knot cruise speeds, Flight Into Known Icing (FIKI) capability, a useful load in excess of 1300 pounds, and the widest, most comfortable cabin in its class.

Cirrus is unique in general aviation for offering a multi-layered approach to safety, incorporating passive features that are nearly transparent during the flight, active features that reduce pilot workload and design features that maximize safety. The Cirrus Perspective+™ by Garmin® avionics suite uses digital "smart" servos to ensure the pilot in maintains the aircraft in a safe, flight stable condition, even when the autopilot is disengaged. When flying at high altitudes, Hypoxia Check monitors pilot alertness and will automatically descend the aircraft to a lower altitude, if necessary. The Blue Level Button offers the pilot the ability to engage the autopilot to roll wings level and pitch to a level attitude at the push of a single button.

The NASA airfoil used on all Cirrus aircraft was designed specifically to maintain stability during maneuvering flight, especially low-level ground reference maneuvers. This cuffed wing design meets stringent FAA Part 23 certification standards and minimizes the risk of a base-to-final stall/spin.



### HIGH PERFORMANCE + LOW COST

The SR22 is the most affordable, capable, high performance special mission platform in its class. The Perception is a total solution and offers superior capability at a price point that special mission and law enforcement customers can afford.



Standard definition images integrated directly into the avionics. High definition displays are also available.