



LEONARDO UNVEILS ITS LIGHTEST-EVER MULTI MODE RADAR, THE GABBIANO TS ULTRA LIGHT

News / Events / Festivals, Manufacturer



- The mechanically-scanning Gabbiano TS Ultra-Light (UL) is an affordable, high performance surveillance radar for small unmanned aircraft
- The new radar weighs less than 24kg but retains the extensive suite of Gabbiano family modes Leonardo has developed since the first Gabbiano system
- 12 customers have already chosen radars from Leonardo's Gabbiano family for unmanned aircraft, helicopters and fixed-wing aircraft

?

Leonardo unveils its lightest-ever multi mode radar, the Gabbiano TS Ultra Light

At this year's [Paris Air Show](#), **Leonardo** has unveiled its **new Gabbiano TS Ultra-Light (UL) surveillance radar**, the result of the company's efforts to package all the technology and modes of its successful range of [Gabbiano](#) radars into a highly-affordable product **weighing less than 24kg**. The new multi-mode, multi-mission, mechanically scanning product, which is **Leonardo's** lightest-ever surveillance radar, **is available for immediate orders**.

The **Gabbiano UL** is being exhibited at the show integrated onto the company's '[Hero](#)' mini unmanned rotorcraft. The radar's **compact size and reduced weight** (comprising just two units; a 12-inch nose antenna and separate Receiver Transmitter Processor (RTP)) make it ideally suited to such '**mini**'-class **unmanned vehicles** as well as the smallest manned fixed and rotary-winged

aircraft.

The new **Ultra-Light model radar** has access to the same extensive suite of modes that **Leonardo** has developed year-on-year for the **Gabbiano family** since it was launched in 2008, making it **an effective option for over-sea, over-ground and air-to-air surveillance**. Modes include optimised maritime patrol and search & rescue capabilities (small target, high sea state detection and automatic, long-range non-cooperative sea target recognition) as well as high resolution ground mapping (with both strip and spot synthetic aperture radar (SAR) modes), ground moving target indication (GMTI), weather avoidance and air-to-air search and track capabilities. The Gabbiano TS UL can also work with an **Automated Identification System (AIS)** and can cue **electro-optic sensors**, making it an effective and competitive solution for maritime patrol missions even from small or mid-size vessels.

The **Gabbiano family** has already been selected by 12 international customers and equips aircraft ranging from unmanned vehicles such as the **Hermes 450™**, **Hermes 900™** and **Leonardo [Falco EVO](#)** to helicopters including the [AW139](#) and [AW101](#) and fixed-wing vehicles such as the **KC-390**, **Beechcraft B350** and [ATR42MP](#).

18 JUNE 2017

ARTICLE LINK:

<https://ut.50skyshades.com/news/events-festivals/leonardo-unveils-its-lightest-ever-multi-mode-radar-the-gabbiano-ts-ultra-light>