

Where is the S23 fiber optic sensor located



Summary of Content

The Samsung Galaxy S23 does not have a fiber optic sensor; its proximity and light sensors are located behind the display glass.

The Galaxy S23 integrates its proximity and ambient light sensors behind the display glass rather than using a visible cutout, allowing the phone to detect nearby objects and adjust screen brightness automatically based on ambient light conditions . The front camera uses a 12 MP CMOS image sensor, while the rear cameras include multiple modules (wide, telephoto, ultrawide) with associated optical sensors . These sensors are mounted on the camera PCB and are responsible for imaging and light detection. If you are referring to fiber optic sensors like those used in industrial temperature monitoring (e.g., DTSX systems), these are not part of the Galaxy S23. Fiber optic sensors in industrial applications detect temperature changes along optical fibers over long distances, which is unrelated to smartphone sensor technology . In summary, the S23's internal sensors are behind the display or integrated into the camera modules, and there is no fiber optic sensor in the device. For repair or technical reference, guides and teardowns show the exact placement of the proximity, light, and camera sensors on the display and camera PCBs .



Article Content

1.1 Device layout and functions

Introduction: Understanding the device layout and functions is critical for using Galaxy S23 effectively. You

Samsung Galaxy S23 Ultra Cameras

The new Samsung S23 Ultra is now working its way through TechInsights' lab, and in this blog we present the initial

Samsung Galaxy S23 Camera Sensor Replacement Guide: What

The article discusses the specifics of the Samsung Galaxy S23 camera sensor, emphasizing compatibility differences between S23

weird sensor on right side of s23 ultra? : r/samsung

Just got my s23 Ultra and there is what looks like either a touch sensor or a fingerprint scanner on the side under the power and

Samsung Galaxy S23+ Repair Help: Learn How to Fix It Yourself.

Repair, disassembly, and troubleshooting information for the Samsung Galaxy S23+ phone. Released in February 2023.

Galaxy S23 Series

After completing this training, you will be able to discuss all of the hardware components that make up Galaxy S23 Series devices.

How to Enable the 2x In-Sensor Zoom on the Samsung Galaxy S23

The entire S23 lineup features a 10MP 3x optical zoom camera, and the Ultra also has a 10x periscope shooter. A 2x

Layout of Galaxy S23, S23+, and S23 Ultra

The guide explains the layout of Galaxy S23, S23+, and S23 Ultra and elaborates on the

Proximity sensor visible all the time on newly replaced screen

Yesterday, Samsung replaced my S23 screen due to a bright halo around the punch hole camera. The new screen still

what is this indent on the right side of the s23 ultra?

Welcome to r/GalaxyS23, a place where you can discuss the Galaxy S23 series and related products, services, and promotions.

Fiber Sensors

Optical fiber is comprised of a central core with a high refractive index surrounded by cladding with a low refractive index. When light

Galaxy S23 Teardown

This teardown is not a repair guide. To repair your Samsung Galaxy S23, use our service manual.

Samsung Galaxy S23

Samsung Galaxy S23 Android smartphone. Announced Feb 2023. Features 6.1" display, Snapdragon 8 Gen 2 chipset, 3900 mAh

SAMSUNG GALAXY S23 USER MANUAL Pdf

How do I unlock my Samsung Galaxy S23? To unlock your Samsung Galaxy S23, swipe in any direction

Understanding zooming and lenses on the S23+ : r/GalaxyS23

If I continue to zoom in beyond 3.0x (3.5x, 4.0x, 5.0x, etc) then I presume I am optically zooming using the optical zoom feature of

Samsung Galaxy S23: specs, benchmarks, and user reviews

Samsung Galaxy S23 – full specifications, battery, camera, display, and performance tests. User and expert reviews.

Samsung S23 Ultra | FULL TEARDOWN | Disassembly Repair Guide

Curious about what is inside the Samsung S23 Ultra? Watch our complete teardown and

Samsung Galaxy S23 Series Repair Training

View and Download Samsung Galaxy S23 Series repair training online. Galaxy S23 Series cell phone pdf manual download. Also

Where to find NFC location per phone brand

The NFC antenna on your smartphone may be located differently depending on the brand and model you have. Below, you'll find

Where is the NFC module locations on the phone? : r/GalaxyS23

On my Fold 3, it's located in the middle of the phone which makes it annoying to use NFC tags as I have to adjust my grip.

S23 Proximity Sensor

It's definitely to do with the Proximity sensor. Changing to light mode and then making a call, you see four small squares

What is a Fiber Optic Sensor?

A fiber optic sensor operates with an optical fiber cable connected to a dedicated light source. These sensors offer great mounting

Samsung Galaxy S23 Ultra Repair

The Galaxy S23 Ultra features a more advanced camera setup, a higher-resolution display, and the largest

Galaxy S23 Teardown

Galaxy S23 Teardown Written By: Andrea Alfani TOOLS: iOpener (1) Heat Gun (1) iFixit Opening Picks (Set of 6) (1) Suction Handle

Galaxy S23 Teardown

We have completely disassembled the new Samsung Galaxy S23. Have a question about this teardown?

Samsung Galaxy S23 Fingerprint Sensor Location: How to

The Samsung Galaxy S23 fingerprint sensor is positioned centrally at the bottom of the display. Issues typically stem from a faulty

Contact Us

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