Front Camera: Xiaomi SU7 Teardown Report

Xiaomi SU7(from Web info)

https://hu.motor1.com/news/703064/xiaomi-su7-onallo-parkolas-video/

Overview of Front Camera

Inner View Front Camera

Overview

 Xiaomi, the Chinese electrical appliance maker announced its first battery electric vehicle (BEV) Xiaomi SU7 in March 2024.

 The vehicle is equipped with two 8MP front-view cameras, four 3MP side cameras, four 3MP Panorama cameras, one 3MP rear camera, 12 ultrasonic radars, one millimeter-wave radar, LiDAR and ADAS ECU(Nvidia Drive-Orin-X). These are operated as ADAS system to support urban NOP(Navigation On Pilot), hands-off at highways, automatic parking, and "automatic summons" that automatically move from the parking position to the driver's position.

 This is a teardown report of Front Camera installed in Xiaomi SU7 with grade Max.

Product features

- This unit is a extremely small module as a front camera.
  It is assumed that the unit performs sensing only and outputs data using coaxial cables.
- Two SUMNNY sensor modules (30° and 120° viewing angles)

Report Contents (17 pages)

- Product teardown, parts measurement (size & weight)
- Identification of key ICs on the PCB (including datasheet, if we found).
- Connection Diagram

Report price

Delivery one week after order placement

Please contact us for report pricing

If you are interest in other camera modules and sensors installed in this vehicle please contact us.

Reference: In-vehicle front camera report lineup
1. Camera module : Nissan Serena-equipped ADAS
2. Front camera : Toyota C-HR

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