



Compact Satellite Cameras

Continental's compact automotive satellite cameras offer a lightweight and robust solution for various aerial visual sensing needs. Various applications include 3D environment mapping, high-definition real-time visualisations of the surrounding environment including fusion of other sensor data such as radar and lidar to support safety critical manoeuvring of an aircraft.

The cameras come in two different range categories. Narrow field-of-view, FSC series that is more suitable for long range sensing and wide field-of-view SVC series for near field sensing. Combining both in a multi camera setup can offer a superior blind spot free coverage for your application.

Technical Information:

- › Resolution: LR 8,3Mpix, SR 2Mpix
- › Colour Pattern: RGGB
- › F - Number: 1,6
- › Video Data Rate: @30fps
- › FoV (h): LR 30° < 120°; SR < 195°
- › FoV (v): LR 16° < 65°; SR < 150°
- › SER/DES logic: GMSL 2
- › IP classification: IP67
- › Profile (mm): app. 25 x 25

Typical Areas of Application

- › Aerial Photogrammetric reconstruction
- › Ortho-mosaic generation and mapping
- › Surround view for helicopters
- › Ground object detection and classification

Benefits:

- › **Robust and Lightweight:** The satellite cameras are robust & lightweight weighing only few tens of grams and are IP67 rated.
- › **Safe & Reliable:** The cameras are manufactured in compliance with automotive quality and safety standards providing unparalleled visual performance for their size.
- › **Accurate calibration:** Working closely with the lens manufacturers during production, Continental ensures accurate end-of-line camera calibration.

