

Airborne camera system (3K system) with real-time data downlink

Measured values

- Georeferenced aerial image
- Traffic parameter: vehicle position and speed
- Traffic density
- Digital elevation model (DEM)

Description of facility

Camera system at DLR in Oberpfaffenhofen based on three digital cameras (Canon EOS 1Ds Mark II, lense 50mm, IFOV 0.15 mrad, FOV +-55° x +-13.5°) with datalink (5.14GHz, 40MHz bandwidth, datarate 10MBit/s TCP/IP) and onboard processing system.

Application

airborne remote sensing:

- * mapping
- * real-time traffic monitoring

Documents

- Accuracy assessment of the DLR 3K camera system (Kurz F.)
- Low-cost optical camera system for disaster monitoring (Kurz F. et. al)

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3K camera system



Download of documents, this handout, and cross-references to related measurement techniques and facilities are available at: <http://messtec.dlr.de/link-78-en>.