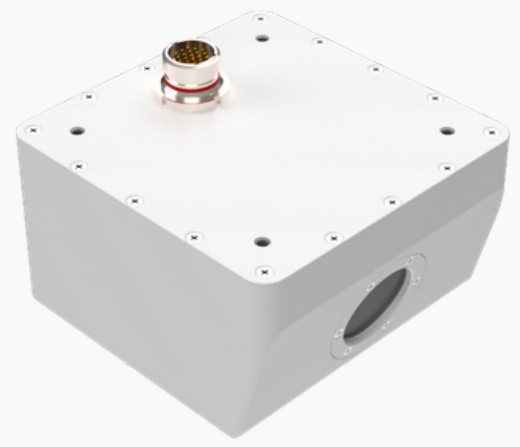


Smart Color Camera | Rugged Aviation Camera

Geolocated Dual Color 720p Video. Global Shutter. Realtime Video



**Smart Color Camera
720p Down / HD Angled**

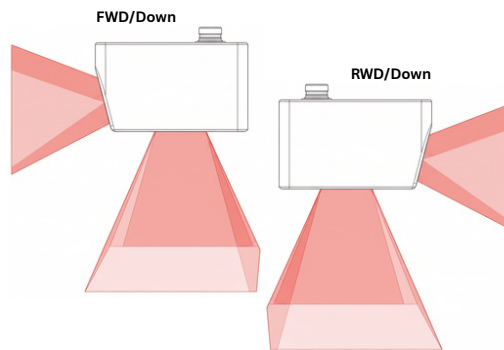
\$8,800

Rugged Aviation Camera
Integrated INS
Easy to Integrate



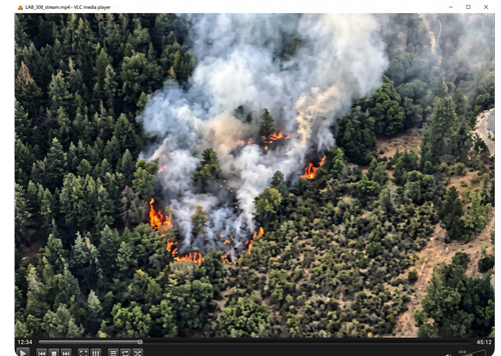
Wide Angle View

Smart Color Camera can be easily mounted on any airborne platform to create a mapping capability with the 180° fisheye view providing exceptionally wide situation awareness.



Rearward or Forward Angle View

Smart Color Camera has a 15° angled sensor that can either be mounted for forward facing pilot view; or rearward facing for a view of what has been flown over.



HD Streaming Video

Dual RGB cameras can generate high quality RGB maps when Cloud connected, while also providing live and recorded video outside the cockpit in a rugged aviation format.

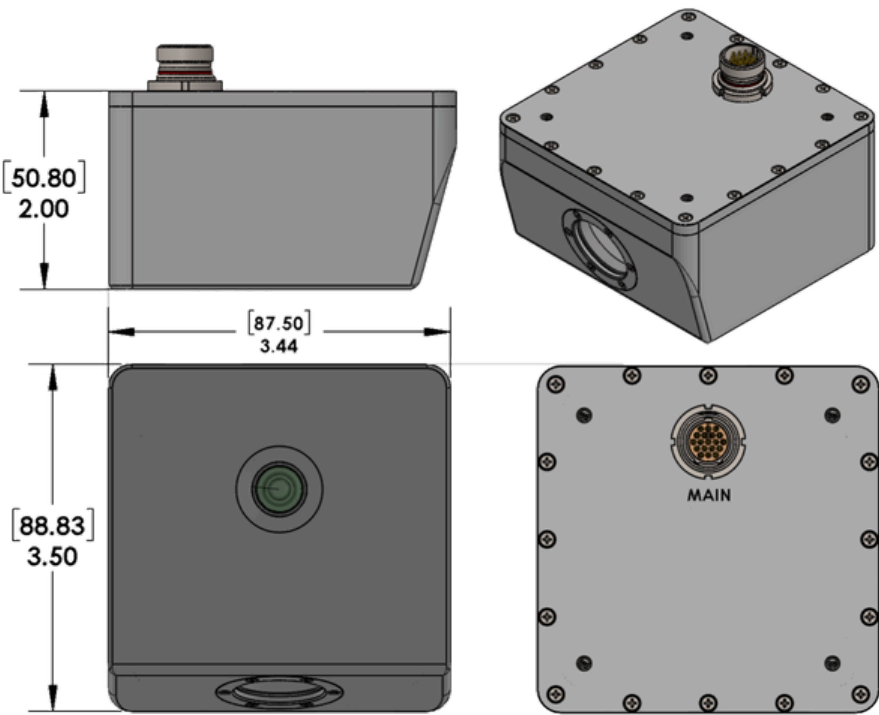
SCC CAMERA CAPABILITIES

- Dual Band Color Camera in Small Form Factor
- 720p H.264 FMV with MISB KLV on both cameras
- Full Resolution Geo Tagged Snapshots
- RGB color mapping with No Flight Path Requirements
- Onboard Multi-Day Storage and Native Cloud Offload
- Environmentally Sealed and Aviation Ready

Built for aerial fire operations.

// SPECIFICATIONS // Smart Color Camera

Weight	500 g / 1.1 lb
Power	<10 W / 28V DC or PoE 802.3af
Downward Sensor	RGB (720p) ; 3.2 MP Stills
Angled Sensor	RGB (HD) ; 2.1 MP Stills
15° Angled Sensor FoV	81° H x 51° V
Downward Sensor FoV	~180° Fisheye, 146° H x ° 110°
GSD at 2,500 ft	0.95m (Downward), 0.67m (Angled)
Connection	1 Gbps Ethernet
Housing	AL 6061-T6
Cloud	Hosting service provider agnostic
GPS	Digital Only
Mounting	Threaded hardpoints flush to fuselage



Dimensions in inches [mm]

AVAILABLE OPTIONS Contact us for customized variants

Configuration	Size (L x W x H)	Weight	Purchase
S007-2064 · HD (720p)	3.5" x 3.4" x 2"	500 g / 1.1 lb	\$8,800

SCC DUAL HARDWARE OUTPUTS

H.264 MISB KLV Digital Video

MISB ST 0601, H.264 over IEEE 802.3ab (~1 Mbps)

Full-resolution Geo-Snapshots

High quality stills that drag and drop into any GIS application

SCC SOFTWARE OUTPUTS / CLOUD

- Orthorectified RGB image mosaic
- Full- and low-resolution geo-snapshots
- H.264 Streaming video
- Compatible with all leading GIS and fire / Common Operating Picture software packages.*



Downward



15° Angle (Rear or Forward)



Passive Data Capture
Lab 308 fixed, wide FOV aviation cameras create a stream of image data with embedded geolocation.



Uplink
Starlink, SATCOM or cellular link transmits Lab 308 image streams to the cloud for more detailed processing.



Cloud Processing*
Open source geospatial tools stitch Lab 308 imagery stream into full fire imagery products with no human involvement.



Fire Maps & Streaming Video
High resolution fire maps with accurate fire location available after every aircraft orbit. IR video from any Lab 308 sensor can be streamed to GIS or video services.

*No ongoing software licensing cost is required to operate Lab 308 cameras in direct viewing mode. Cloud provider and GIS software may incur usage charges.

At Lab 308, we engineer mission-critical thermal imaging systems built for extreme aerial firefighting environments.

SCHEDULE AN INTRO CALL OR FLIGHT DEMO

sales@lab-308.com | www.lab-308.com

