



SAR Technology Inc.

<http://sarotechnology.ca>
sarotechnology@telus.net

GoPro Camera Parts List

– For taking Helicopter-mounted or Aircraft-mounted Aerial images for use with ‘Searchlight Image Locator’ and ‘Searchlight Trip Viewer’



<http://www.sarotechnology.ca/sarotechnology/searchlight/Searchlight.html>

Online Image Recognition for the SAR Responder

<http://www.sarotechnology.ca/imagerecognition/>



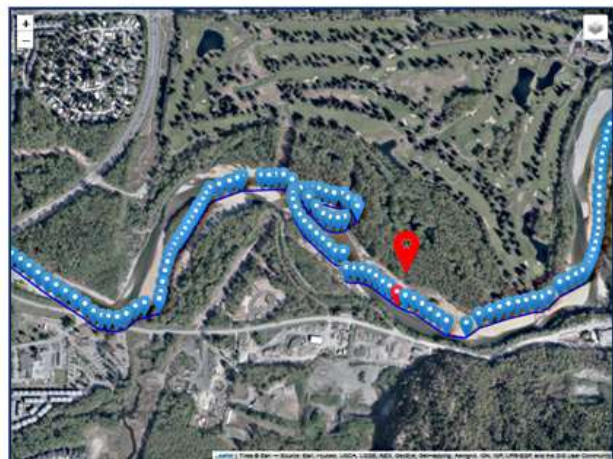
‘Searchlight Image Locator’ can rapidly scan thousands of mission images to find the target object – including missing Persons, Vehicles, Vessels, Aircraft, Helicopters, etc.



<http://sarotechnology.ca/sarotechnology/searchlighttripviewer/src/SearchlightTripViewer.html>



- Online Image Slide-Show with Live-Map Route Display



‘Searchlight TripViewer’ displays an image slide-show while simultaneously plotting the route on a moving map display. Exports the trip/route to a KML file for plotting.

GoPro 10 Camera Parts List (in addition to the GoPro Cameras)

Note: Two camera systems are recommended, pointing down-left and down-right, from the helicopter or aircraft.

GoPro 9-10 Battery Side Door with USB-C opening - for external USB battery pack cable.

https://www.amazon.ca/gp/product/B09H6MMRT8/ref=ppx_yo_dt_b_asin_title_o00_s00?ie=UTF8&psc=1

GoPro 9-10 Metal Case with 52mm UV Filter

https://www.amazon.ca/gp/product/B08Q7PD3G6/ref=ppx_yo_dt_b_asin_title_o09_s00?ie=UTF8&psc=1

Inside-Helicopter Parts List:

GoPro 9-10 50mm Rubber Lens Hood - to reduce windshield reflections.

https://www.amazon.ca/gp/product/B085DHPSP/ ref=ppx_yo_dt_b_asin_title_o06_s00?ie=UTF8&psc=1

Filter Step-Up Ring Adaptors

- to fit the 52mm GoPro Case UV Filter to the 50mm Rubber Lens Hood

- **Filter Step-Up Ring Adaptor 52-58 mm** (paste the hyperlink)

https://www.amazon.ca/52mm-58mm-Ring-Step-Up-Metal/dp/B08MT751GR/ref=sr_1_5?keywords=filter+step-up+ring+adapter+52-58+mm&qid=1642980253&sr=8-5

- **Filter Step-Up Ring Adaptor 58-67 mm** (paste the hyperlink)

<https://www.amazon.ca/Goja-Accessory-MagicFiber-Microfiber-Cleaning/dp/B0083WYAIA?th=1>

GoPro Dual Suction Cup Camera Mount

- for clamping the GoPro camera to the inside of the windshield.

<https://flightflix.net/product/rock-steady-double-suction-cup-mount/>

or Delkin Fat Gecko Dual Suction Cup Camera Mount (paste the hyperlink)

- has a longer arm, making it easier to place the camera closer to the windshield.

https://www.bhphotovideo.com/c/product/610980-REG/Delkin_Devices_DDMOUNT_SUCTION_Fat_Gecko_Dual_Suction_Camera.html

GoPro Ball for Suction Cup Camera Mount

- useful for connecting any suction cup camera mount to a GoPro camera.

- <https://flightflix.net/product/rock-steady-gopro-ball/>

https://www.aircraftspruce.ca/categories/pilot_supplies/ps/menus/ps/camera_gopro_mounts.html

Plexiglass Windshield Cleaner- Aviation Approved.

https://www.amazon.ca/gp/product/B00092CKN4/ref=ppx_yo_dt_b_asin_title_o08_s00?ie=UTF8&psc=1

External Helicopter & Aircraft Parts List

- for externally mounting GoPro cameras to a helicopter or aircraft.

GoPro Safe Case Hero 9-10 (FAA Compliant)

- <https://flightflix.net/product/metal-gopro-safe-case-hero-9/>

https://www.aircraftspruce.ca/categories/pilot_supplies/ps/menus/ps/camera_gopro_mounts.html



External and Internal Helicopter & Aircraft GoPro Mounts

MyPilotPro - External Helicopter Mounts: <https://mypilotpro.com/aviation/>



MyPilotPro – External ‘Aviator’ Aircraft Mounts Mount
- Aircraft Spruce USA & Canada

FAA Compliant: <https://mypilotpro.com/faa-compliance/>
https://www.aircraftspruce.ca/categories/pilot_supplies/ps/menus/ps/camera_gopro_mounts.html

Transport Canada Standard 571 Appendix A - Negligible Modification
<https://tc.canada.ca/en/corporate-services/acts-regulations/list-regulations/canadian-aviation-regulations-sor-96-433/standards/standard-571-maintenance/standard-571-appendixes-m-canadian-aviation-regulations-cars>



MyPilotPro – Internal Windshield Mounts:



Flight Plans:



Target: 2m Person
Speed: 100 Km/hr (54 Knots)
Altitude: 75 ft AGL
Track Spacing: 99 m (324 ft)
Camera Interval: 1 Second



Target: 4.4 m Vehicle
Speed: 100 Km/hr (54 knots)
Altitude: 75 ft AGL
Track Spacing: 99 m (324 ft)
Camera Interval: 1 Second

Image Recognition Camera Setup

1. Both Camera Pointing Down

Helicopter Altitude
 22.8m (75ft)
 Above Ground Level

