



Garmin VIRB

(Chapter 9)



Garmin VIRB

- **What is included in the kit**
 - **Garmin VIRB Elite**
 - **Additional mounting pads & batteries, Memory card (64GB), USB charger, dive case.**
 - **Samsung Galaxy Tab 4**
 - **Cover**
 - **Pelican Case**
 - **Accessories**
 - **Manual(s)**



Garmin VIRB

○ Webinar Recording

- Lt Col Eric Templeton, CAP & Mr John Desmaris
- <https://vimeo.com/144030940>
- Jump to 13:10 into the video for the Garmin presentation



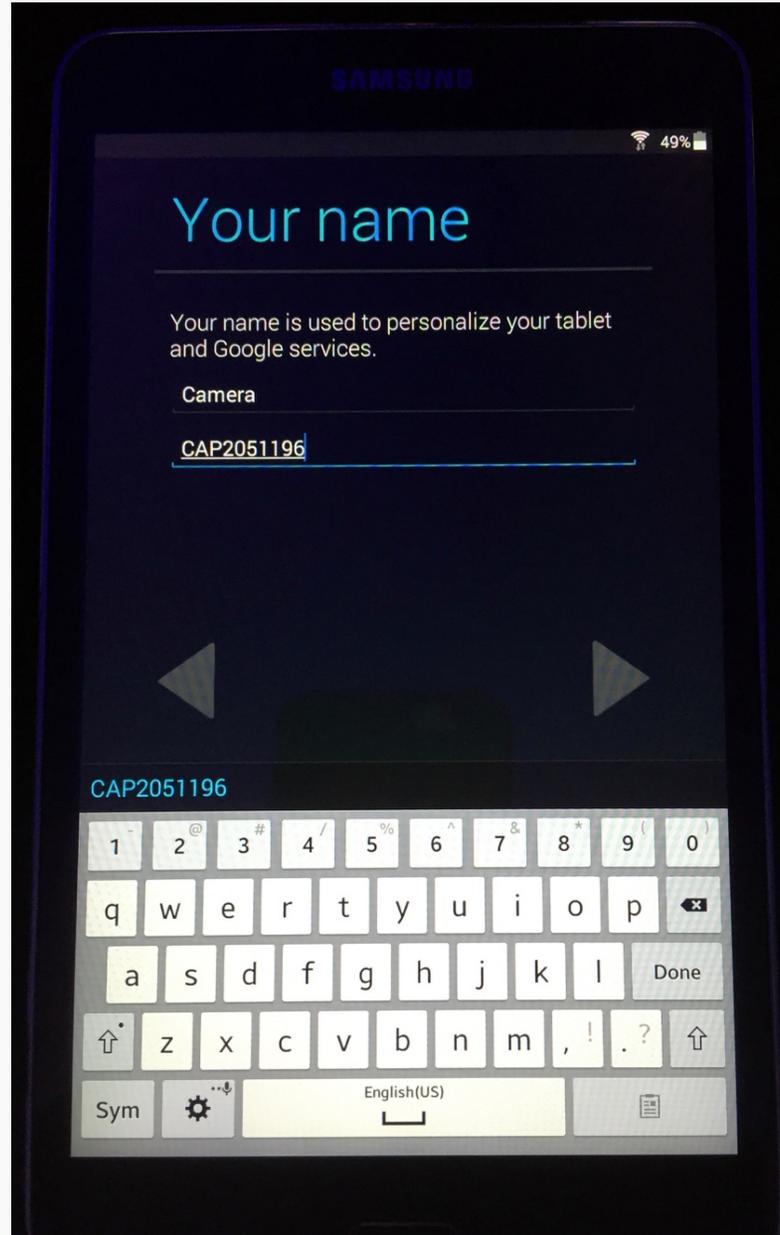
Garmin VIRB Tablet

Asset tag on the
back of the tablet





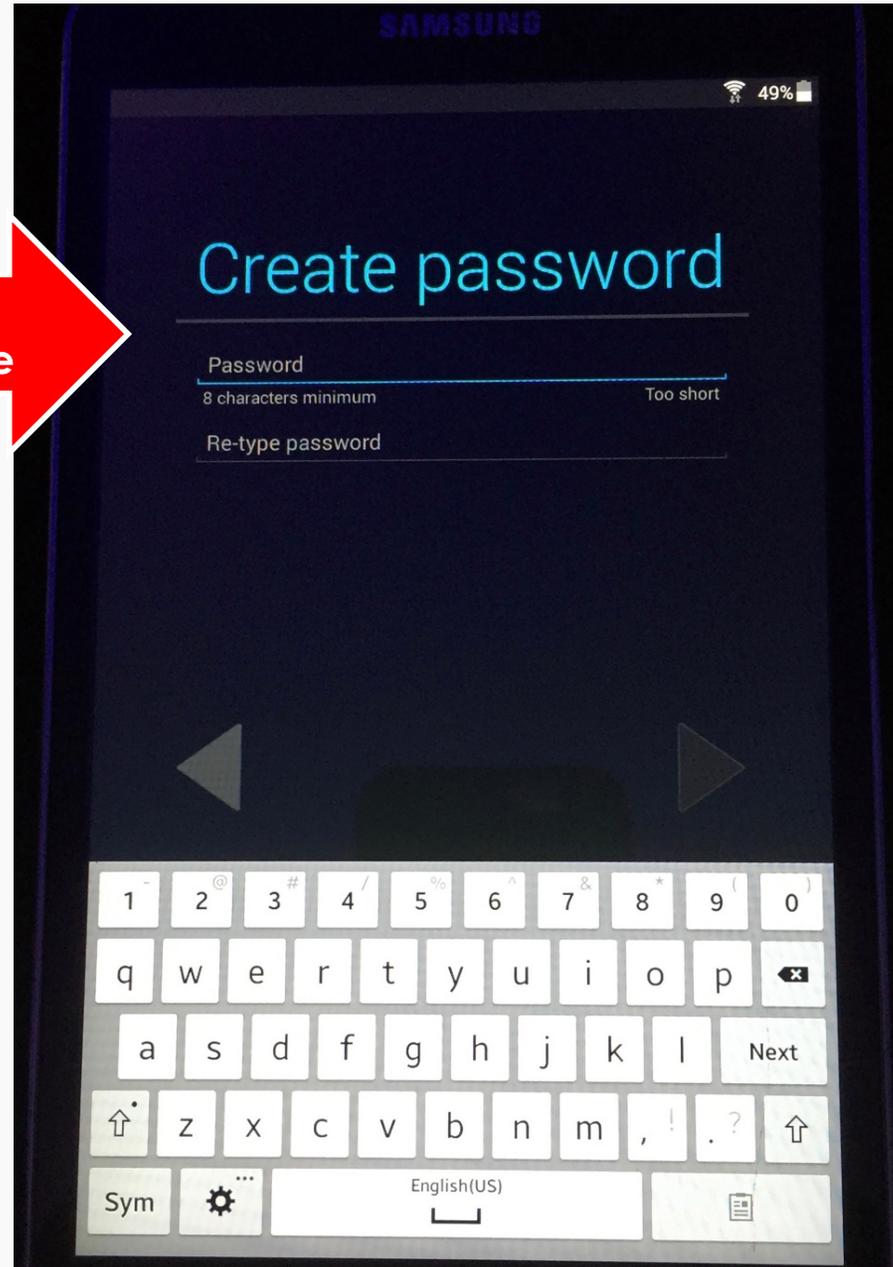
Garmin VIRB Tablet





Garmin VIRB Tablet

camera2051196
use all lower case



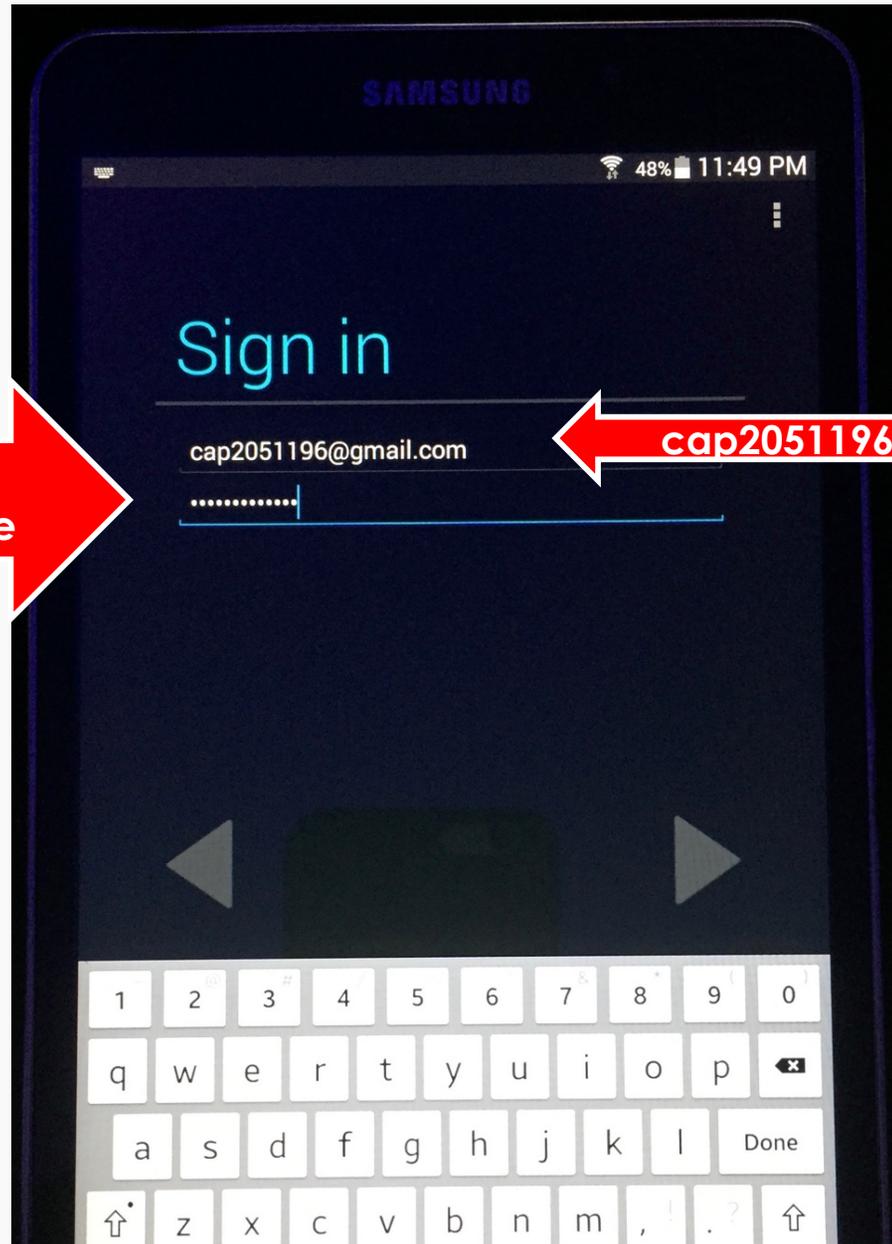


Garmin VIRB App

- Now to setup the application



Garmin VIRB Tablet



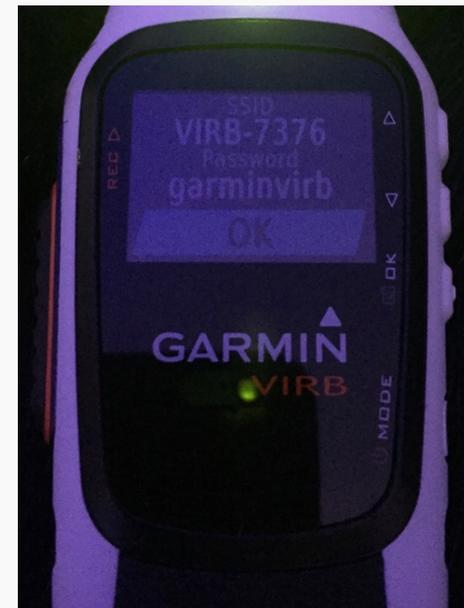
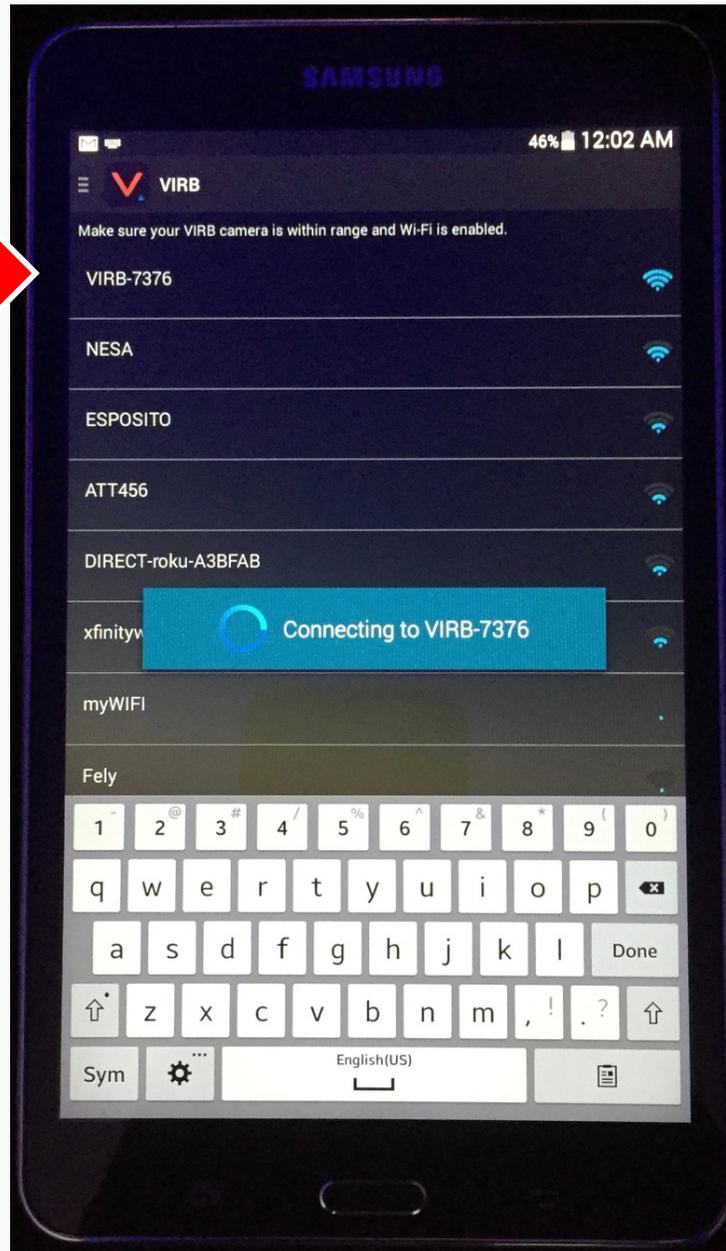
camera2051196
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cap2051196@gmail.com



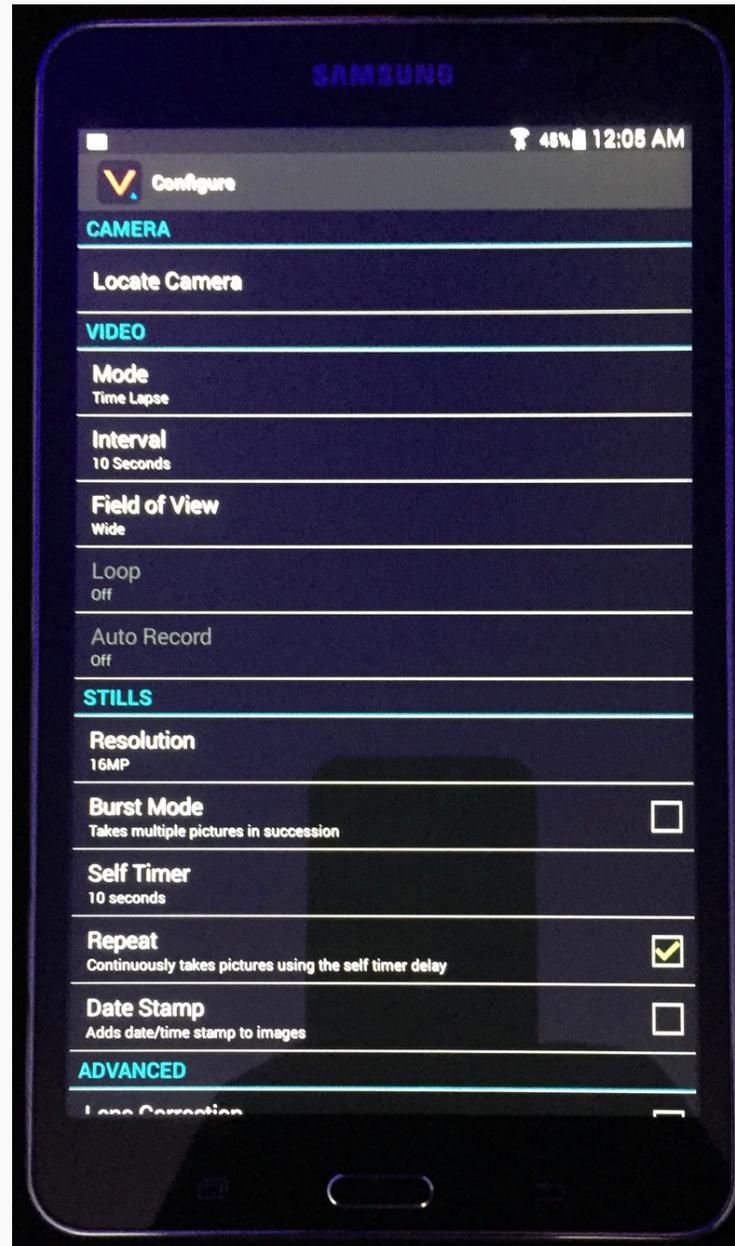
Garmin VIRB App

Password is
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all lower case



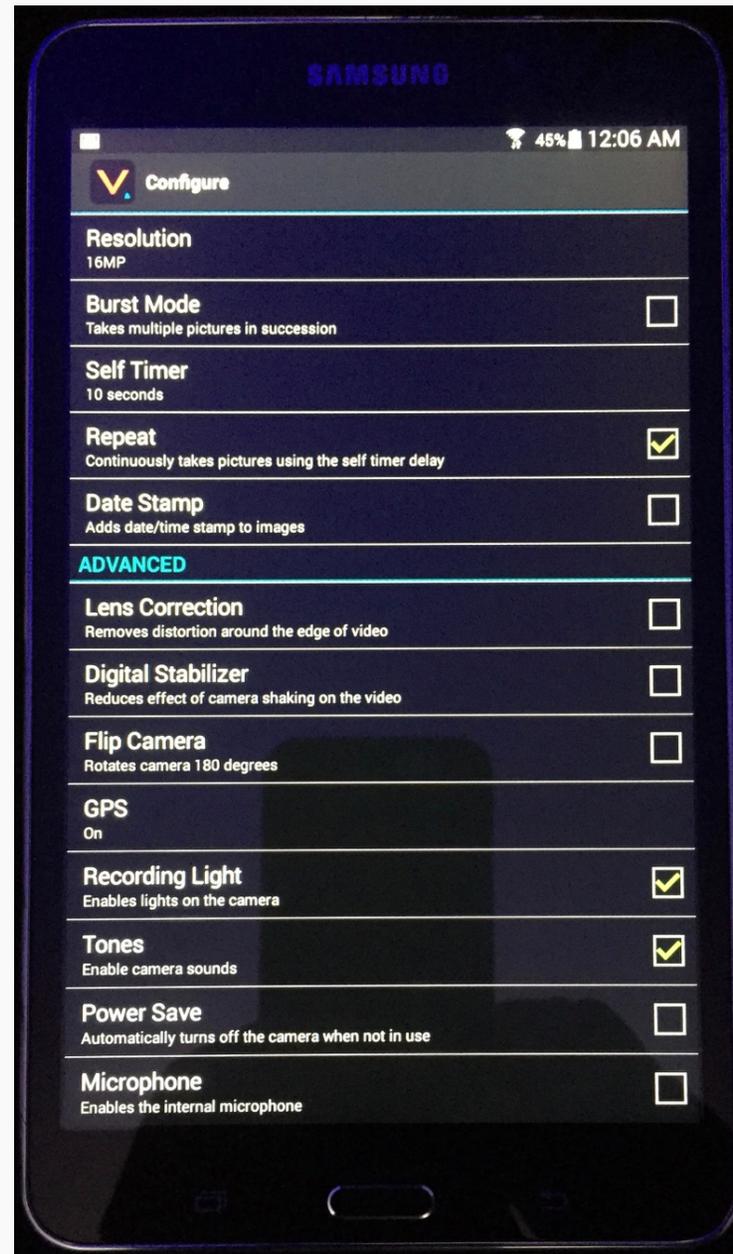


Garmin VIRB App



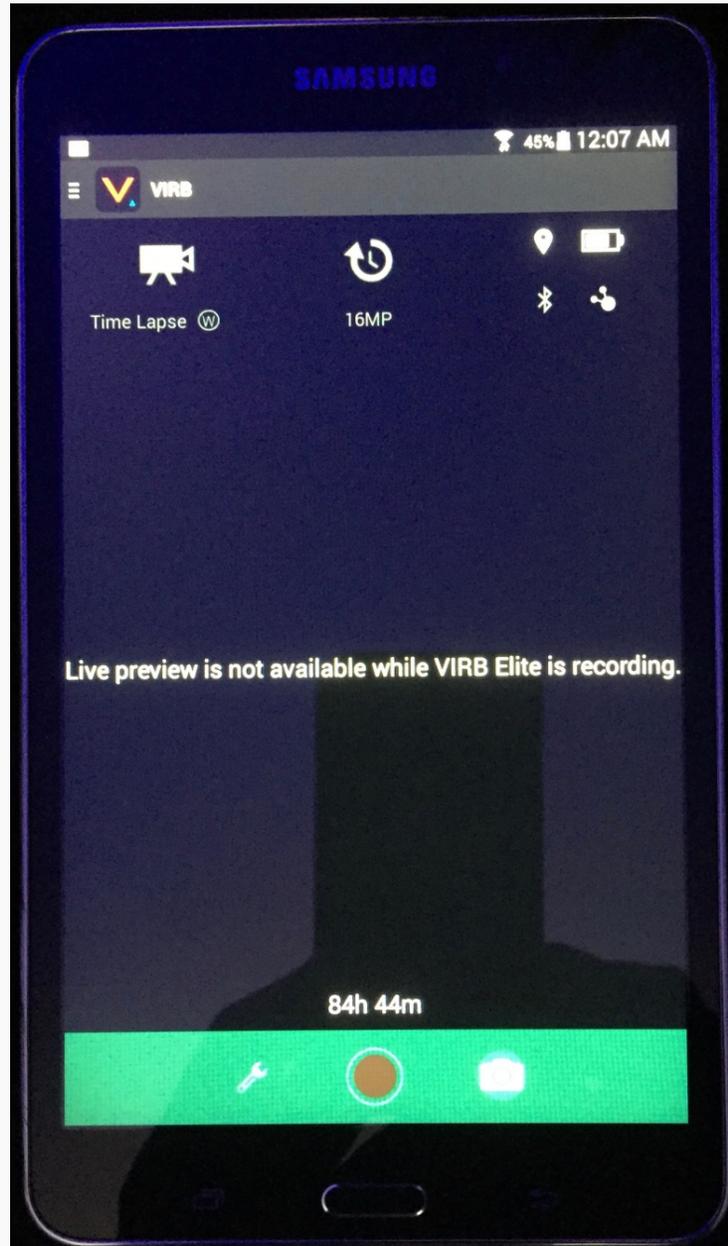


Garmin VIRB App





Garmin VIRB App





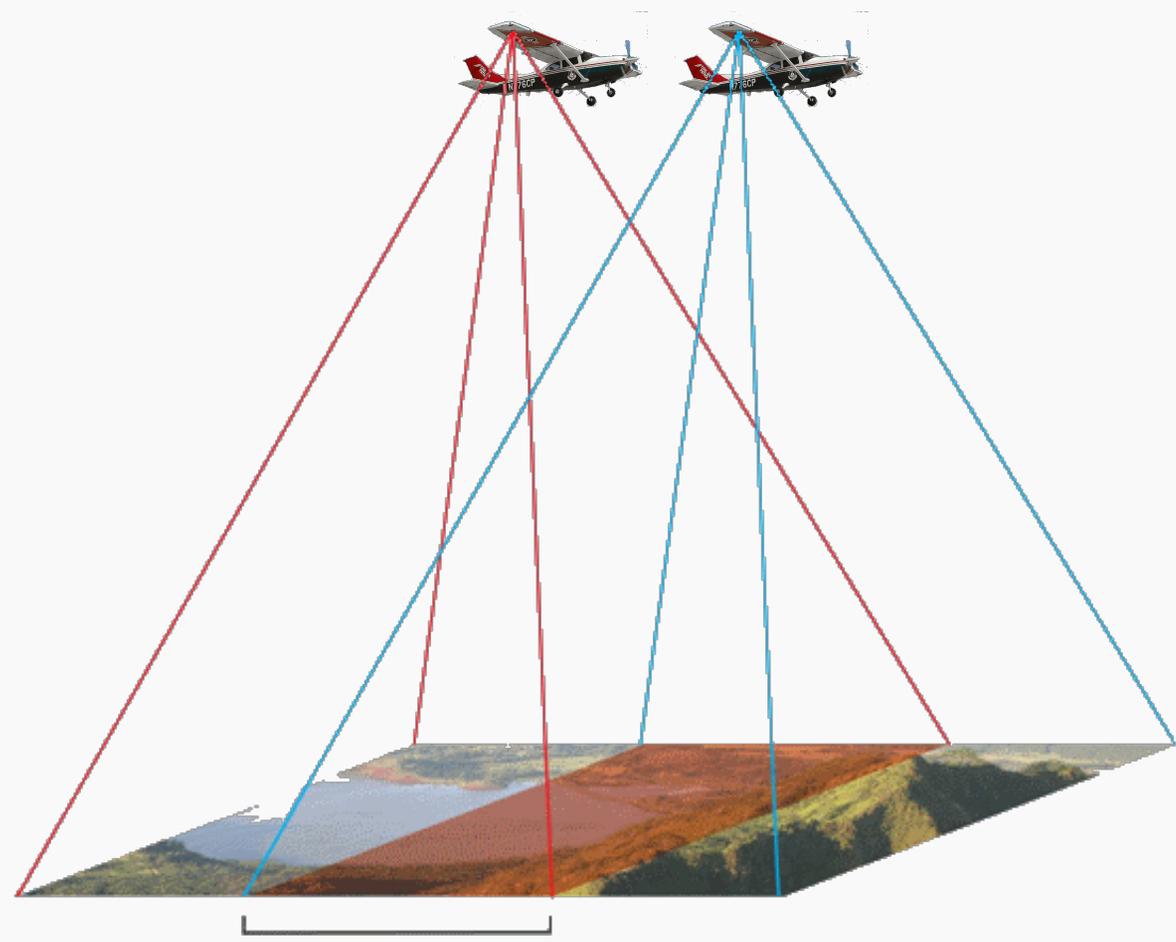
Garmin VIRB Flight Profiles

- Now we can actually consider our flights



Garmin VIRB

Flight Profile - Nadir



Standard 60%
Stereo overlap





Garmin VIRB

- Remember the Mission Profiles
- Nadir
 - Straight down
- Oblique
 - Angle

Image Uploader

Upload Settings

Step 1 - Enter mission details...

Event: CAP Training

Team: 15-T-10373 +New Team

Mission: A0024 +New Mission

Step 2 - Choose the NMEA file to upload...

Browse... Location Count: Process Time:

LOADING 0%

Step 3 - Upload files...

Browse... Total Images: 0 Uploading: 0 Complete: 0

Start Uploading Clear Remove Complete Retry Errors

LOADING 0% Auto Refresh Map Show Thumbnail Concurrent Uploads: 2

50 km 30 mi

Earthstar Geographics POWERED BY esri

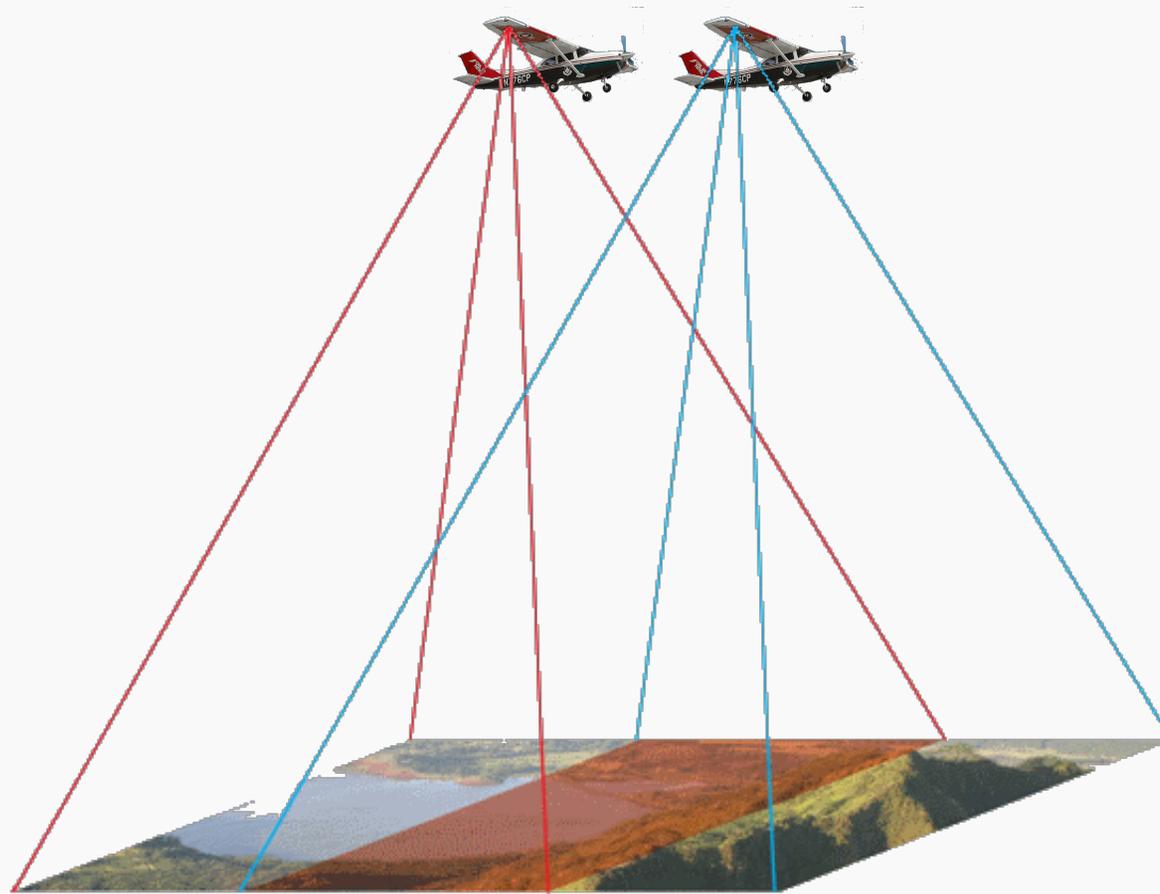


VIRB Flight Profile #1

- **2500 AGL**
- **100 KTS Ground Speed (+/- 5 KTS)**
- **Suggest 1 notch of flaps for wing level flight**
- **Camera at 10 Second intervals**
- **1/2 mile grid or “line to line” spacing**
 - **As Briefed**



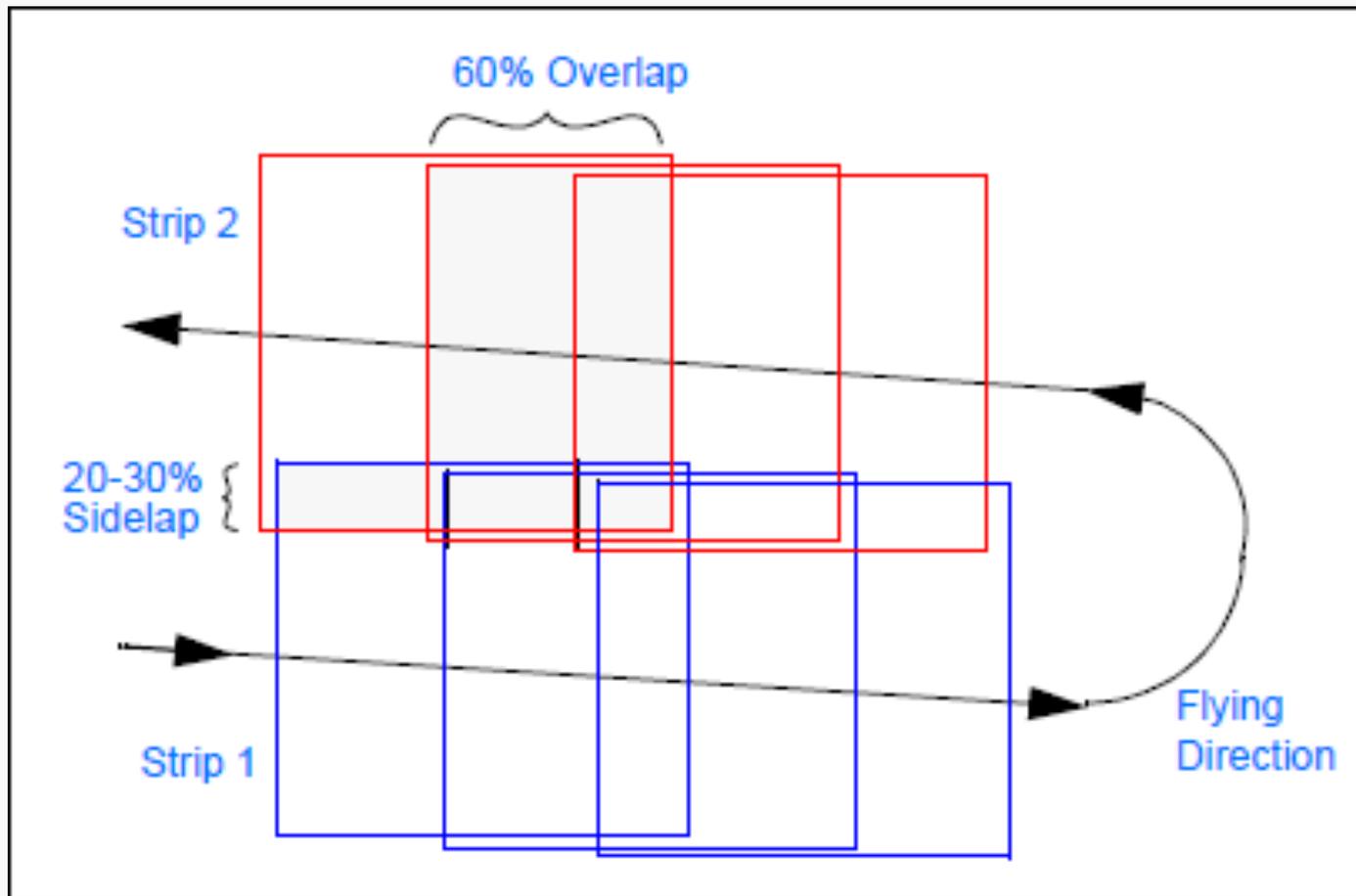
Flight Profile - Nadir



Standard 60%
Stereo overlap

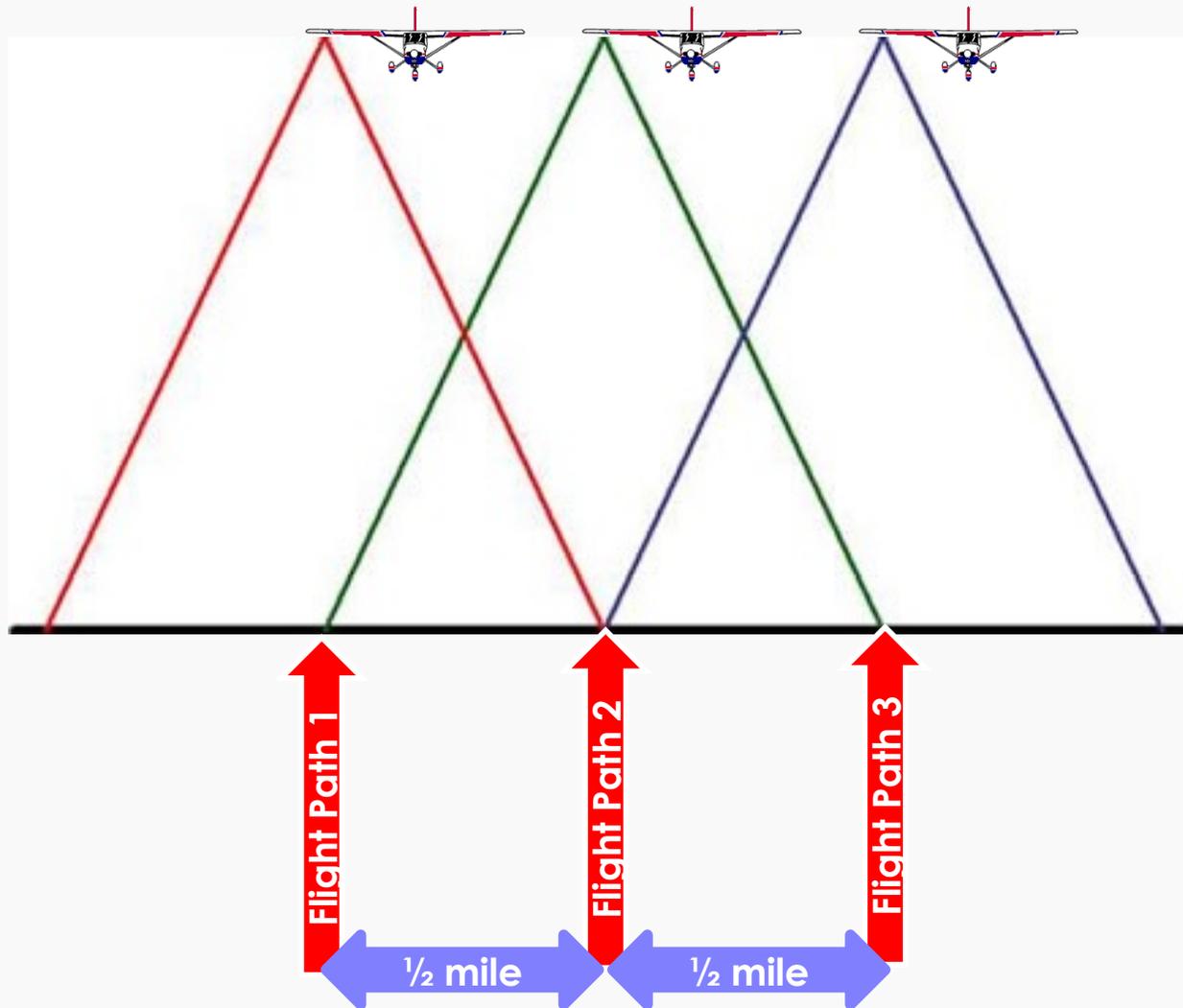


Flight Profile - Nadir





Flight Profile - Nadir





VIRB Flight Profile #1

○ Flight Profile

- **2500 AGL**, 100 KTS, 1/2 mile grid
- Camera at 10 Second intervals

○ Flight Profile Yields

- 2500 AGL, 100 KTS, => ~**57% Endlap**
 - Endlap is overlap **ALONG** the flight path.
- 1/2 mile grid (line to line) => ~**100% Sidelap**
 - Sidelap is overlap flight path to flight path



VIRB Flight Profile #2

○ Flight Profile

- **1500 AGL**, 100 KTS, 1/2 mile grid
- Camera at 10 Second intervals

○ Flight Profile Yields

- 1500 AGL, 100 KTS, => ~**24% Endlap**
 - Endlap is overlap **ALONG** the flight path.
- 1/2 mile grid (line to line) => ~**61% Sidelap**
 - Sidelap is overlap flight path to flight path



VIRB Flight Profiles

- **Which profile to fly?**
 - **AP asks the briefer**
 - **AP then informs the Mission Pilot**



Questions?



Air Sortie

○ Air Sortie

- Put everything you've learned together
- Photobombing
- VIRB in action