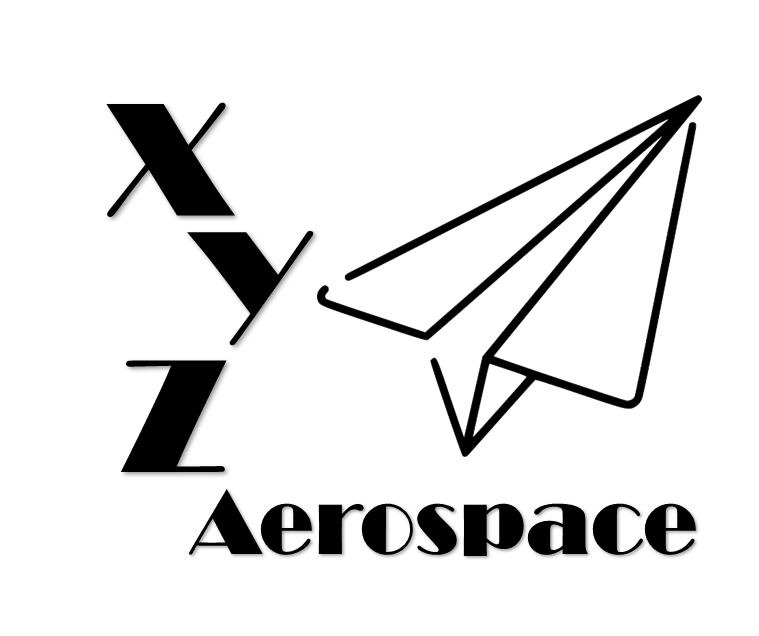


Final Payload Testing

25 November 2019

Version 1.1



645 Colonel Glenn Blvd

Dayton, Ohio

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1. Introduction
2. Full Motion Video

Short decription; talk about single spot ball

* 1. Test 1
     1. Pointing Accuracy
     2. Daytime Resolution

Failing Values…

* + 1. Daytime Framerate

Passes

* + 1. Pan/tilt/zoom

Passes

* 1. Test 2
     1. Nighttime Resolution

Fails

* + 1. Nightime Framerate

Passes

1. Wide Area Camera
   1. Test 1
      1. Day Resolution

Passes

* + 1. Day Frame Rate

Fails, 1.2

* + 1. Day Latency

Fails, 2.2

* + 1. Control Modes

Shows both manual and automatic

* 1. Test 2
     1. Night Resolution

Fails

* + 1. Night Frame Rate

Passes, 1.2

* + 1. Night Latency

Passes 2.2

* 1. Test 3
     1. Coverage Area

Fails. Coverage area good, but collected at wrong height.

1. Mission Control Software
   1. Test 1
      1. System Health/Status

Passes

* + 1. COP Displays Blue Force

Passes

* + 1. COP Displays Weather

Passes

* + 1. COP Displays Threat Data

Fails

* + 1. Wide Area Imagery Re-Transmission

Fails. Explain how this happens…

1. Power
   1. Test 1
      1. Battery Life

Passes

1. External Connections
   1. Test 1
      1. Receives Blue Force Data

Passes

* + 1. Receives Threat Data

Passes

* 1. Test 2
     1. Sends Imagery Data

Passes