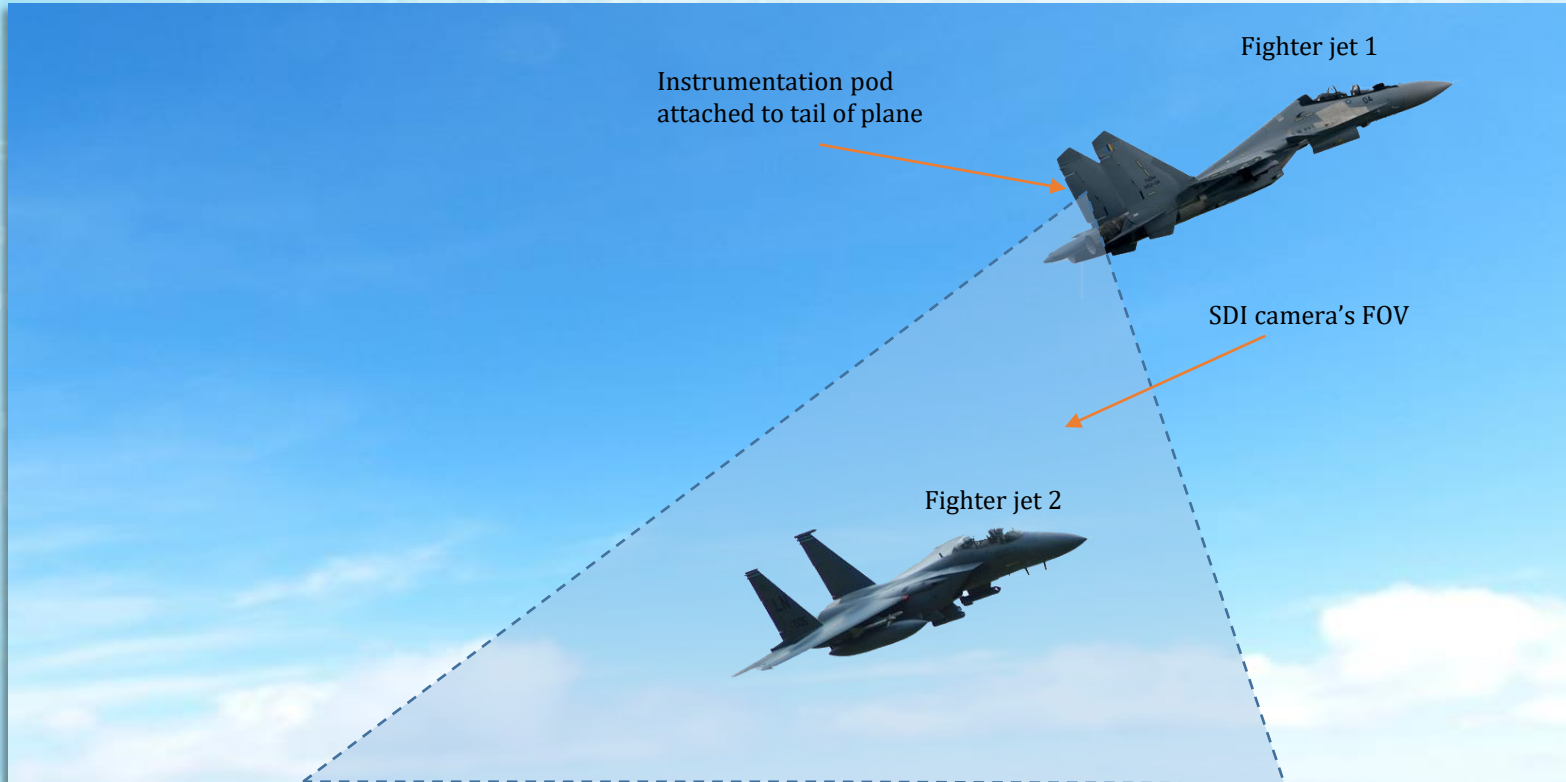
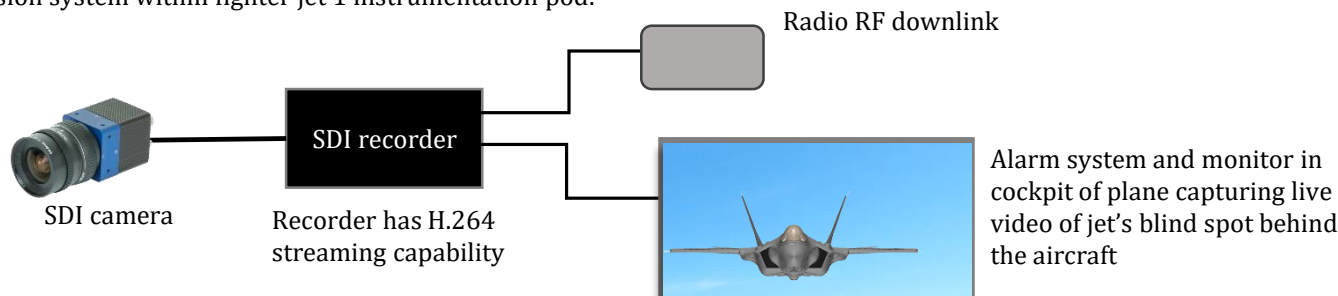


Situational Awareness: Aircraft



Vision system within fighter jet 1 instrumentation pod:



Jet pilot has a blind spot (the 6) located behind and under the tail of his jet. This area needs to be viewable to prevent collision or to see approaching aircrafts.

Solution:

An instrumentation pod is mounted on the tail of the jet. The pod contains a vision system comprised of an SDI camera, SDI recorder with H.264 streaming capabilities, radio RF downlink, alarm system, and monitor.

The camera faces backwards and captures video of the rear view of the jet. The video is transmitted to the SDI recorder with H.264 streaming and recording functions, then sent to a monitor in the cockpit of the jet.

The pilot now has a live video stream of the blind spot behind the jet. The monitor also acts as an alarm. Should an object appear in the field of view of the camera, a trigger is sent to the pilot via the SDI recorder so he/she can take the necessary steps for avoidance or interception.

