

**To:** Jeffrey Epstein [REDACTED]  
**From:** [REDACTED]  
**Sent:** Sun 7/13/2014 5:29:22 PM  
**Subject:** Fwd: [IP] re The airborne panopticon: How plane-mounted cameras watch entire cities

iPhone feature: Tupos & Abbrvtns

Begin forwarded message:

**From:** "David Farber via ip" [REDACTED]  
**Date:** July 12, 2014, 1:21:29 PM EDT  
**To:** "ip" <[REDACTED]>  
**Subject:** [IP] re The airborne panopticon: How plane-mounted cameras watch entire cities  
**Reply-To:** [REDACTED] "David Farber" [REDACTED]

Begin forwarded message:

**From:** David Magda [REDACTED]  
**Subject:** Re: [IP] The airborne panopticon: How plane-mounted cameras watch entire cities  
**Date:** July 12, 2014 at 1:18:07 PM EDT  
**To:** [REDACTED]

The ARGUS-IS by BAE has been in development for a few years now. A segment from the PBS "NOVA" episode entitled "Rise of the Drones" (2013-01-23):

<https://www.youtube.com/watch?v=QGxNyaXfJsA>  
<http://www.pbs.org/wgbh/nova/military/rise-of-the-drones.html>

<https://en.wikipedia.org/wiki/ARGUS-IS>  
[https://en.wikipedia.org/wiki/Gorgon\\_Stare](https://en.wikipedia.org/wiki/Gorgon_Stare)  
[https://en.wikipedia.org/wiki/Constant\\_Hawk](https://en.wikipedia.org/wiki/Constant_Hawk) (2006 deployment)

The video is only five minutes long and worth watching to see the "basic capabilities" that BAE was authorized to show.

It uses 360+ photo sensors like those used in cell phones to cover 15 square miles (~40 sq. km.) with a 1.8 gigapixel video, with a 6" (15cm) object resolution. Of course if flown higher than 17500' (5300m) it could cover more area, while losing resolution—until the 5 MP sensors and optics are improved.

As a frame of reference, the cities of Chicago, Toronto, Birmingham, Mumbai, Antwerp, are all around 600 sq. km. in area, and so it would take "only" about fifteen ARGUS-IS units to cover each completely. Fewer of the units described in the "Ars" would be needed (though they do fly lower).

On Jul 12, 2014, at 09:54, Dave Farber via ip [REDACTED] wrote:

----- Forwarded message -----

From: \*Dewayne Hendricks\* [REDACTED]

Date: Saturday, July 12, 2014

Subject: [Dewayne-Net] The airborne panopticon: How plane-mounted cameras

watch entire cities

To: Multiple recipients of Dewayne-Net [REDACTED]  
[REDACTED]

The airborne panopticon: How plane-mounted cameras watch entire cities

Persistent Surveillance Systems can watch 25 sq. miles—for hours.

By Cyrus Farivar

Jul 10 2014

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<http://arstechnica.com/tech-policy/2014/07/a-tivo-for-crime-how-always-recording-airborne-cameras-watch-entire-cities/>

On June 28, 2012, in Dayton, Ohio, police received reports of an attempted

robbery. A man armed with a box cutter had just tried to rob the Annex

Naughty N' Nice adult bookstore. Next, a similar report came from a Subway

sandwich shop just a few miles northeast of the bookstore.

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