SKYCRUISE SWITZERLAND

DOCUMENT 4

SURVEILLANCE & SECURITY

with the example of SKYCRUISE SWITZERLAN'Ds mission
for the 2004 Olympic Games in Greece

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4. SURVEILLANCE AND SECURITY

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4.1 SKYSHIP 600 (MISSION CONFIGURATION)

Envelope-Volume:	7200 m^3	(254'000 ft^3)	
Lifting-Gas:	Helium	(non-flammable)	
Dimensions;	**Length:**	**60 m**	(220 ft)
	Width:	15.3 m	(50 ft)
	Height:	20.3 m	(66.6 ft)
Cabin:	Length:	11.6 m	(39 ft)
	Width:	2.6 m	8.5 ft)
	Height:	2.02 m	(6.6 ft)
	Seats:	8	plus 2 pilots / toilet and galley
		Or alternative seating / working arrangements	



Engines:	Porsche, 2 x 255 PS, swivel-mounted		
Performance:	max. speed:	50 kts	(90 km/h)
	Cruise speed:	30 kts	(55 km/h)
Max. Range:	1000 km (standard configuration, min. payload)		
Max. Payload:	1200 kg		

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4.2 GENERAL ASPECTS

THE IDEAL SURVEILLANCE / SECURITY TOOL:

- EXTENDED MISSION TIME .....due to long endurance
- LOW HOURLY PRICE.....due to non complex technology
- HIGH RELIABILITY.....due to proven concept
- HIGH EFFICIENCY.....due to modern equipment
- PREVENTIVE IMPACT.....due to high “psychological presence-factor”
- DE-ESCALATION EFFECT.....due to low “aggessivity-factor”

FOR THE FOLLOWING MAIN MISSIONS:

- BORDER SURVEILLANCE
- MARITIME SURVEILLANCE
- SEARCH & RESCUE
- ILLEGAL IMMIGRATION
- COUNTER DRUG SMUGGLING
- COUNTER INSURGENCY

In addition,

- Communications & imagery
- Surveillance
- Communication relay
- Surveillance Cameras (EO/IR) platform
- Intelligence gathering
- Aerial video relay applications

IMPLEMENTATION:

- **TURN KEY SERVICE** under a lease contract for all the equipment & capabilities
- **LONG-TERM CONTRACT** duration (due to high initial cost)
- **TRAINING** of Maintenance & Operations personnel can be arranged

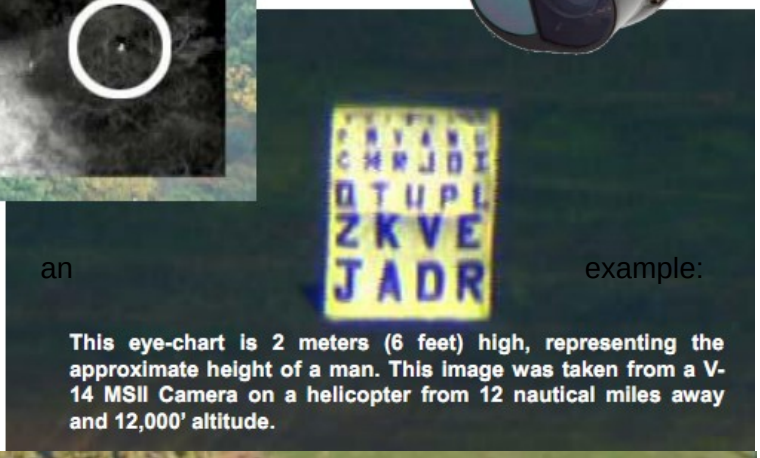
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4.3 MODERN SECURITY EQUIPMENT CAPABILITY





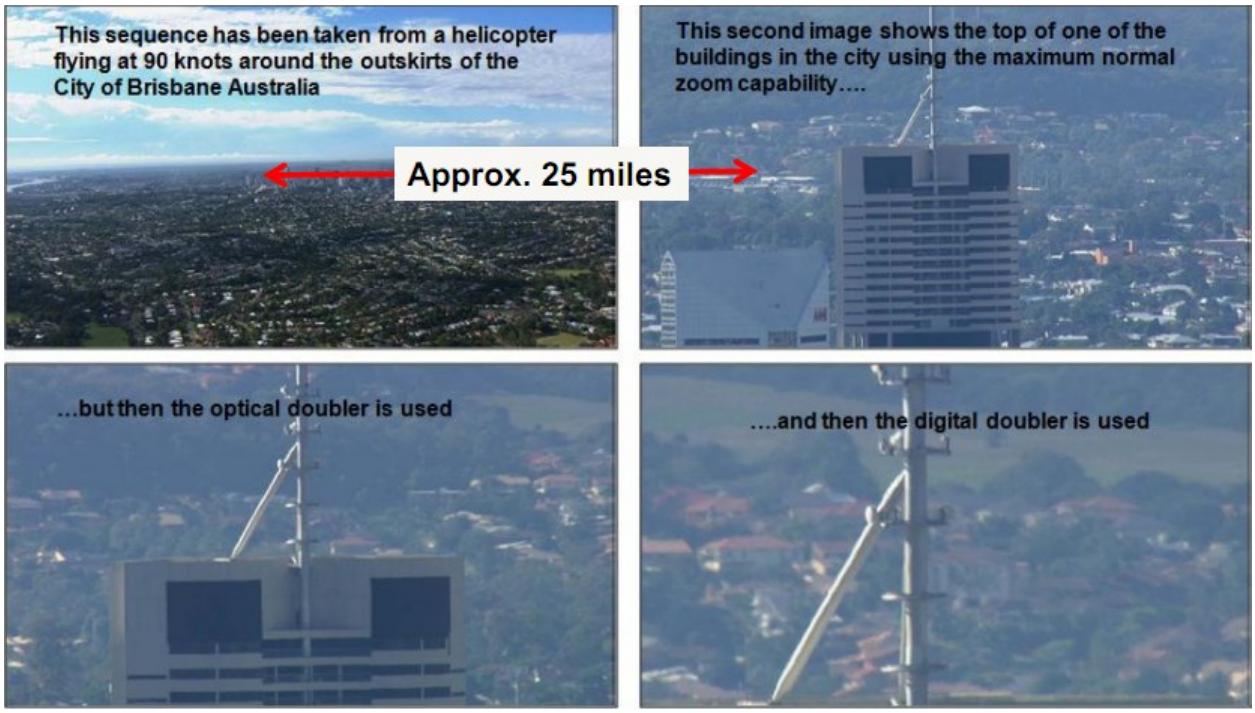
As an example:
The Camera Axsys V-14 MSII



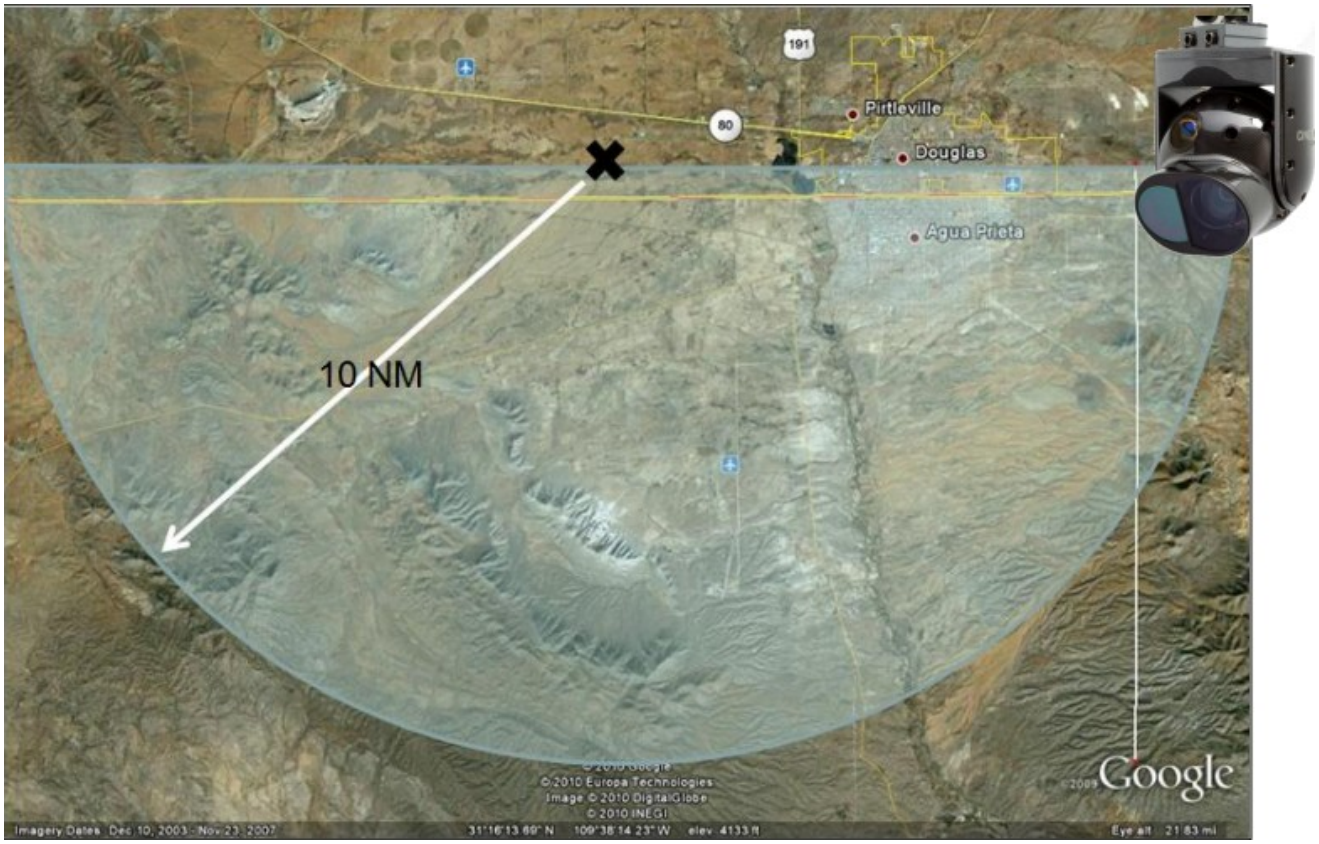


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An example for the US-Mexican Border:



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4.4 SKYSHIP 600 - SECURITY MISSION IN GREECE

IN SUPPORT OF THE COMBINED SECURITY FORCES OF MILITARY AND POLICE DURING THE ATHENS OLYMPICS

The ships are prepared in the hangar in Central Europe





Arrival in Athens…

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…installation of the
security equipment…



…the working
-stations are ready



Sensors / Cameras are
installed on the Skyship…

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Infrared Camera for Night-Mission

TV-Camera

Downlink-Antennas for **real time transmission** of data and pictures to / from Security Mission Control Center)

Very-High Definition Camera



The cameras can be directed towards the target during mission…

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…and are up for takeoff and landing and as long as the ship is on ground



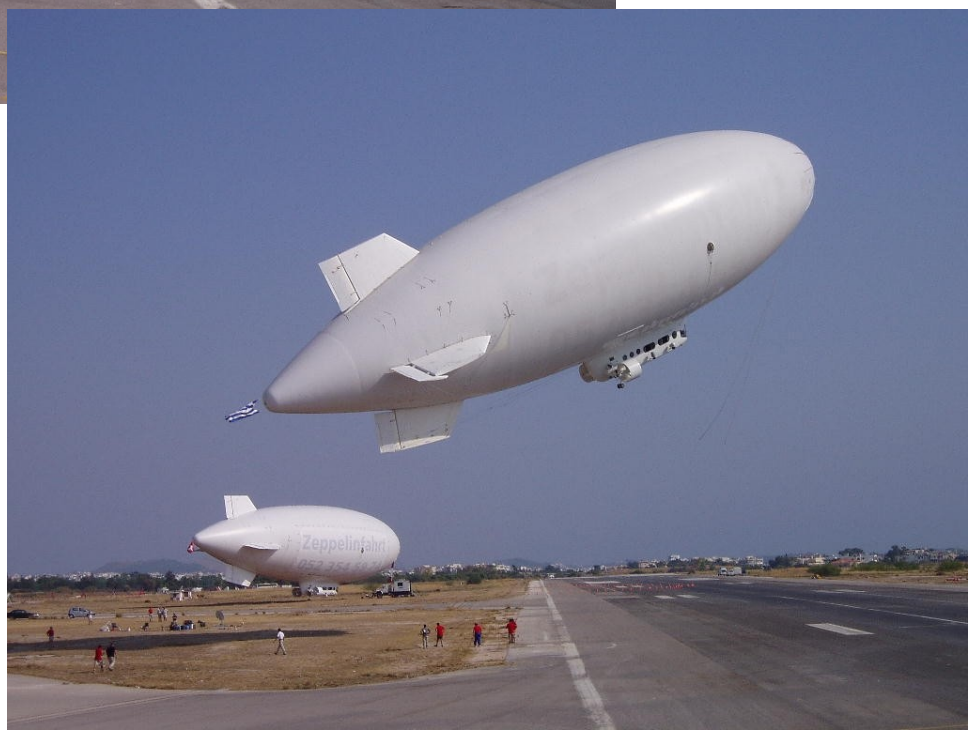
Both ships are now ready for service

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Takeoff for
the first mission…



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The City of Athens

(pictures taken with normal camera)





Marathon

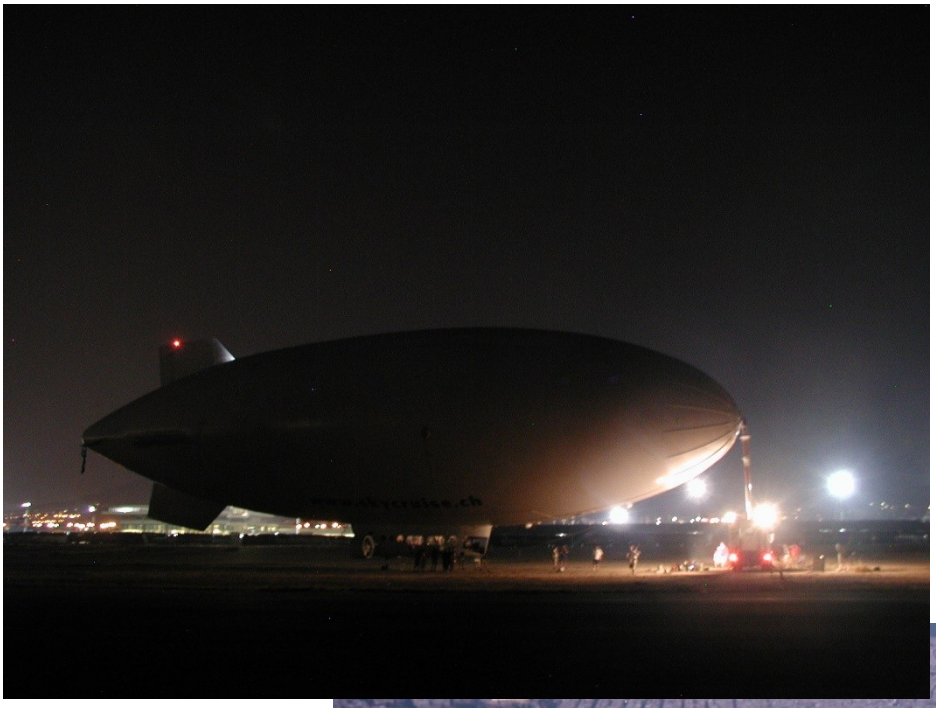
(pictures taken with high def.camera)

The Parliament

(long distance picture)



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ready for
night-mission



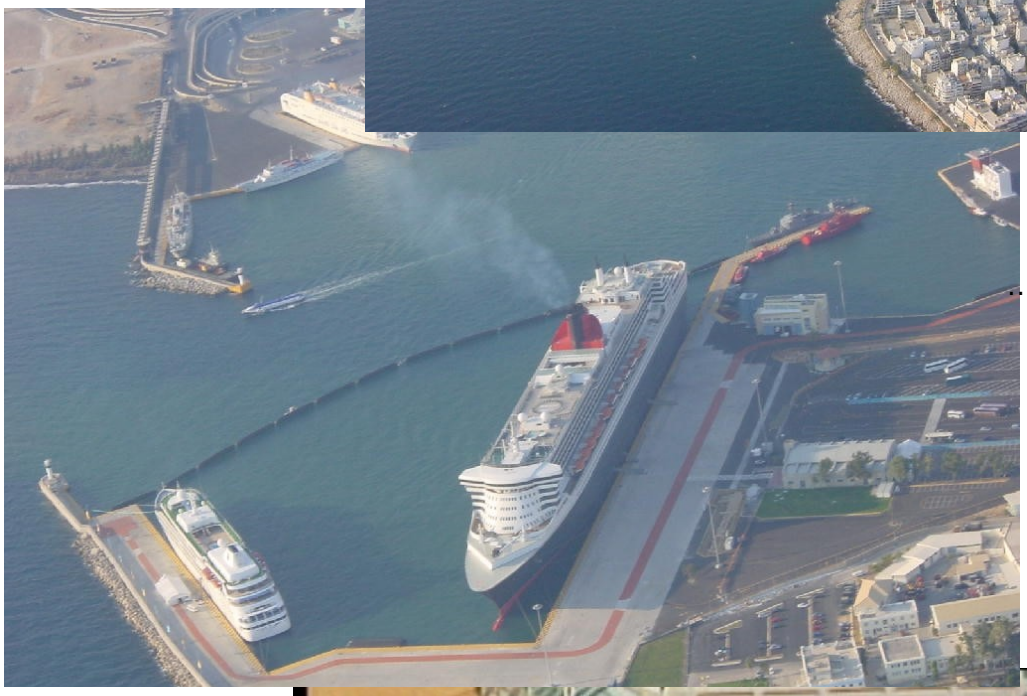


Infrared helps
even more

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The port of Piräus…





…with a ship there that looks like…

Queen Mary!



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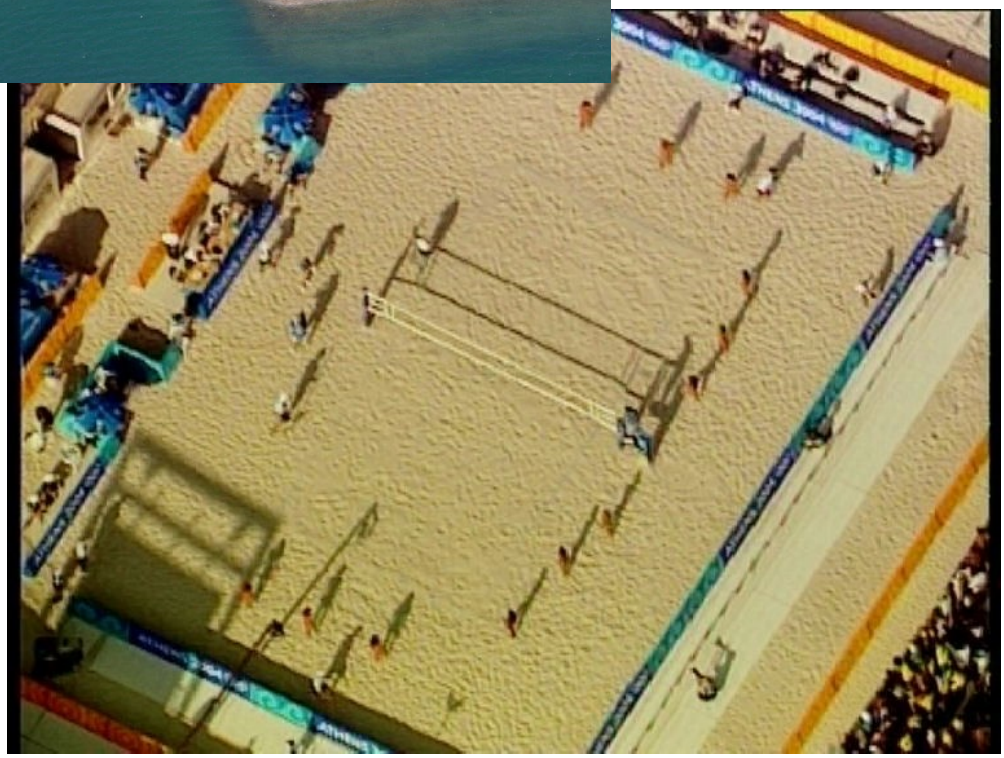
But who is this?





…in any case,
the Navy is ready
for quick intervention
with the Hoovercraft

…while others
play Beach-
Volleyball…



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NIGHTMISSION !

the Skyship
will protect …



…the
Inauguration-
Ceremony



What is going
on down there?

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…it is the Nations entry…



...but which ones?



The Canadiens and…

…the British



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Again, mission successfully completed, a landing in dust
(with the ship in camouflage now during the Olympics)



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SKYCRUISE SWITZERLAND IS PROUD TO HAVE CONTRIBUTED TO THE SAFE ORGANISATION OF THE OLYMPIC GAMES!

According to the Mayor of Athens and later Minister of Foreign Affairs, Mrs Dora Bakoyannis, the crime rate in Athens fell considerably during the time the 2 Skyships were guarding the city from the sky.

(Testimonial to Christian Schulthess, CEO of Skycruise Switzerland, during a reception together with the Swiss Ambassador at the seat of government in Athens)

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