Being in the moment with Google Glass

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Google X
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250,000 grams

9,500 grams

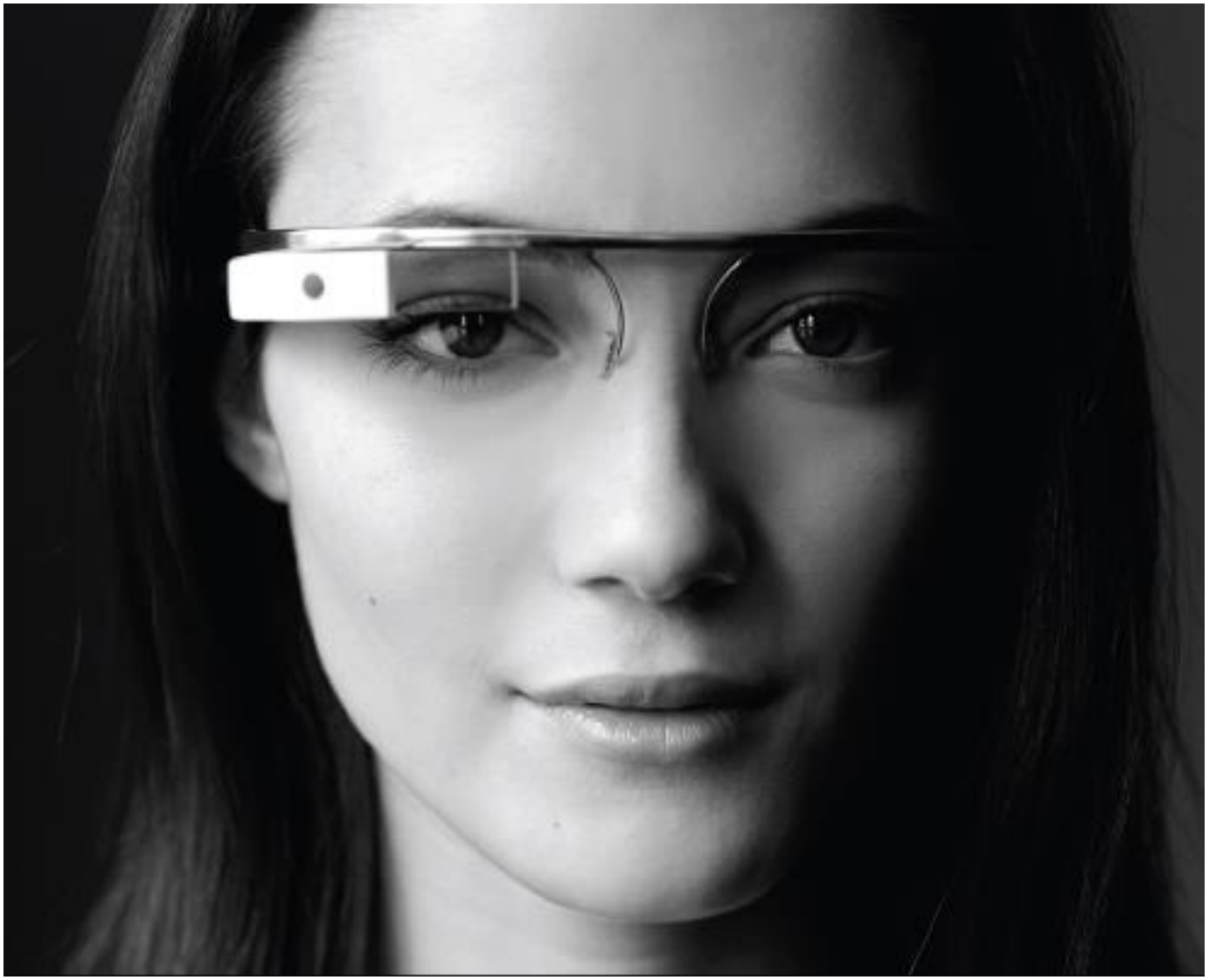
10,800 grams

1,500 grams

162 grams

135 grams

What is next?



What is in the system?

When we started … ☺

What is unique about the form factor?

- Immediately accessible computing
- Camera that sees the world through the user's eyes
- System that is aware of the user (via gyroscope, etc)
- Visual data overlay
- Potentially very large screens

Why?

1-page history of citizen-to-citizen communication

1. **Speech**:
Audio
Short distance

2. **Paper mail**:
Text
Long distance

3. **Telegraph**:
Text
Long distance
Fast

4. **Telephone**:
Audio
Long distance
Fast

5. **Email**:
Text
Long distance
Faster

6. **Mobile phone**:
Text/Audio
Long distance
Fast
Un-tethered

7. **Glass**:
Image/Video
Long distance
Fast
Un-tethered

1-page history of quest for knowledge

Google

5. Glass
[Answers are only a question away]

4. The internet age (Google)

3. Go to the library

?

2. Ask a polymath

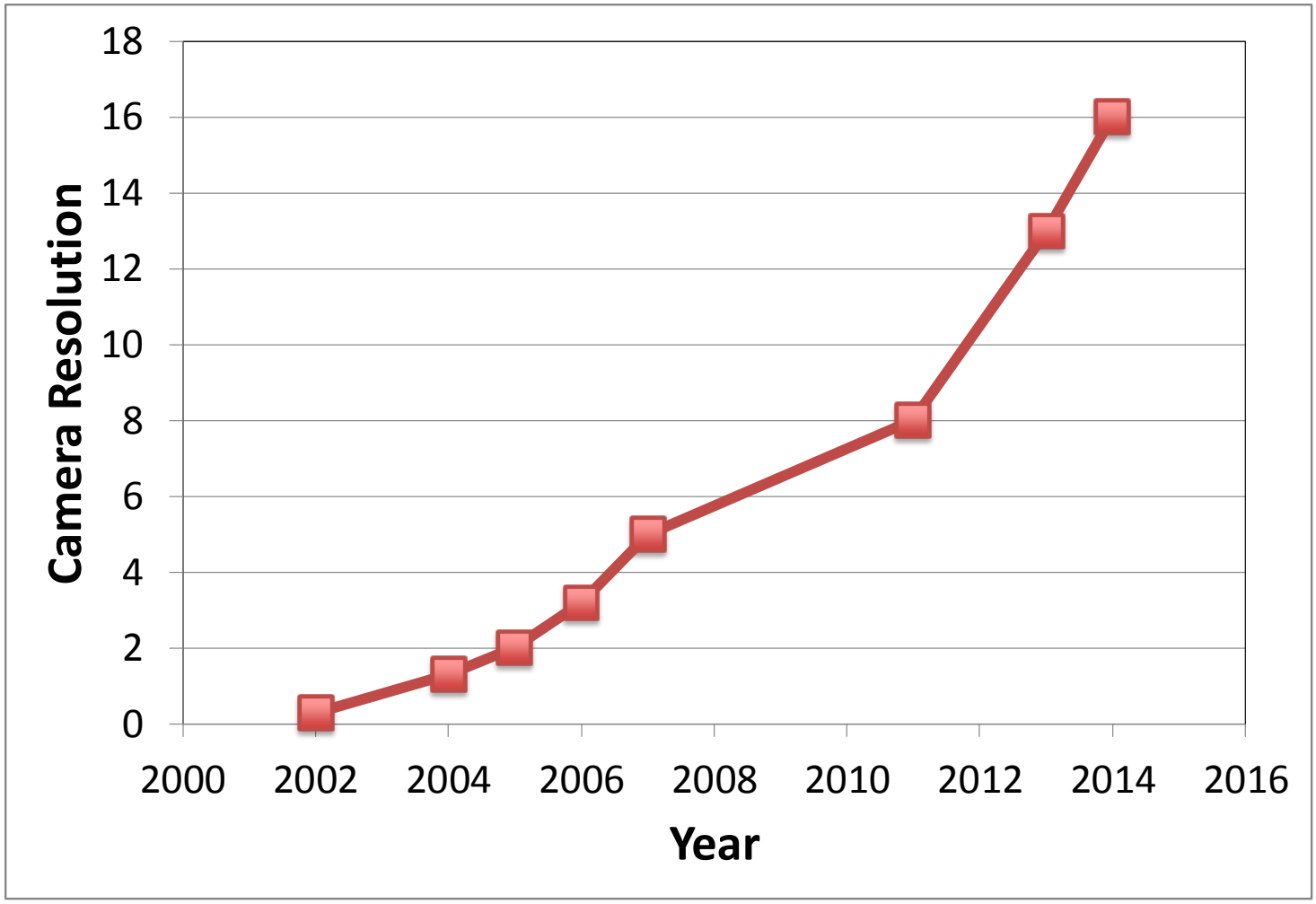
1. Information not available

Where we are today …

Why is this possible now?

- Smart phones

Example: mobile camera evolution



Why is this possible now?

- Smart phones
- Data connectivity

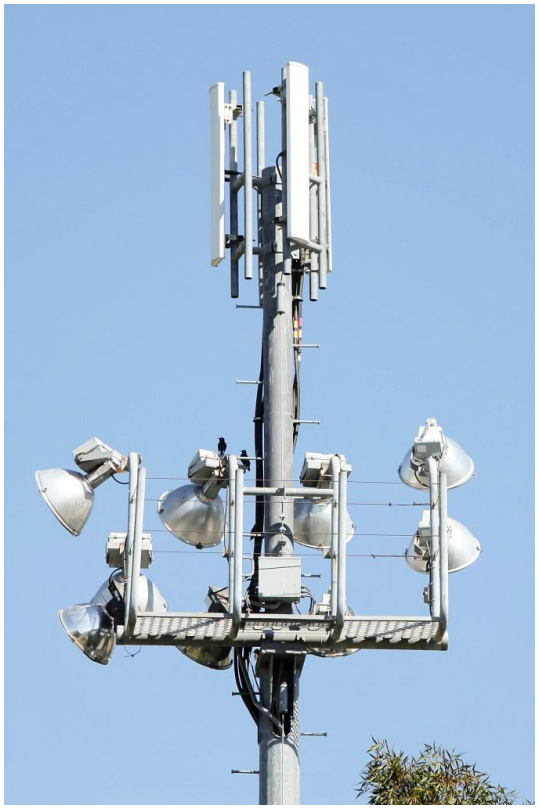
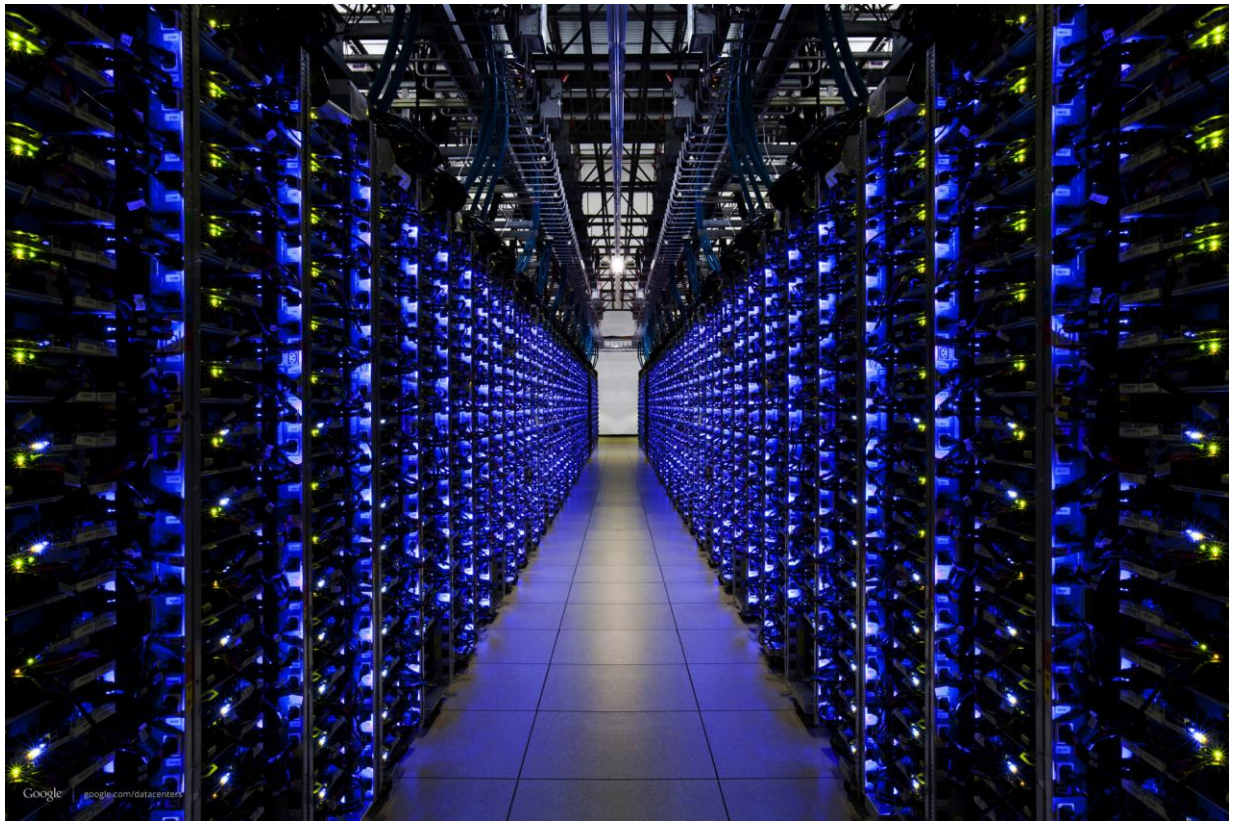


Image from daily republic

Why is this possible now?

- Smart phones
- Data connectivity
- The Cloud



Google data center

The road ahead

eventually the tech should disappear …

- Optics/photonics
- Miniaturization
- Transducers
- Computing power
- Ultra low power designs

Thank you!