



# **JPEG Privacy & Security**

## **Introduction and Scope**

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# JPEG Security & Privacy

- The vision of JPEG Security & Privacy is not to put DRM into legacy JPEG
- Its vision is to:
  - Enable end-users to protect their genuine security and privacy issues if they choose so.
  - Offer the exact same experience for those who don't need it!
  - It is not the intention of JPEG Committee to standardize DRM but it is not its intention to prevent it neither!

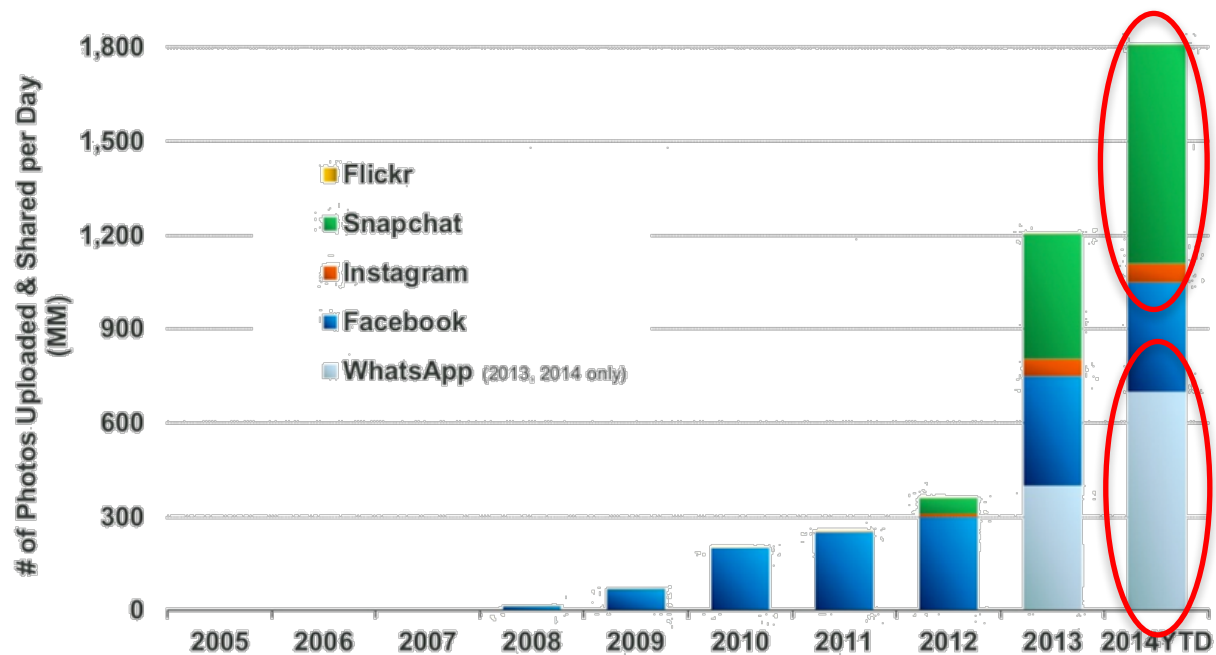
**Are you good or evil?**







# Privacy is becoming a concern!

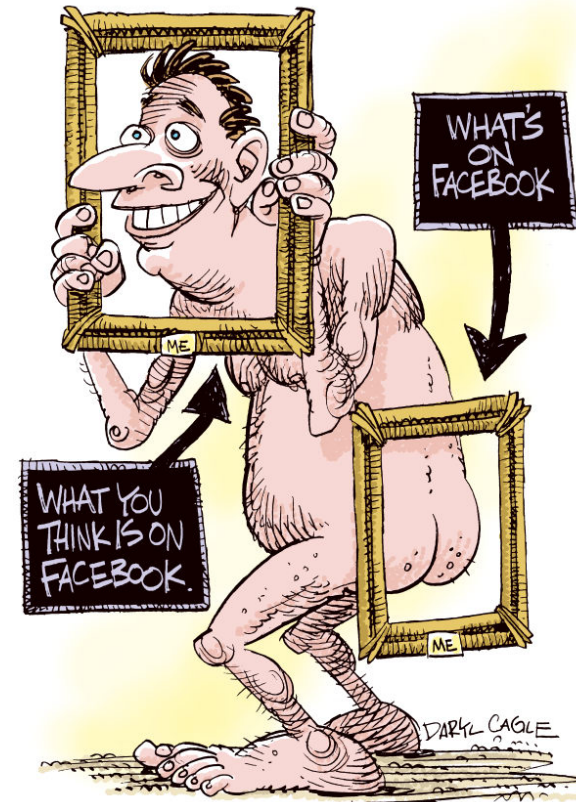


Source: KPCB 2014 Internet Trends, estimates based on publicly disclosed company data.





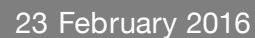
# Why is privacy protection so difficult to resolve?







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# Social media/networks business model

- User profiling
- Targeted advertisement/marketing







# JPSEC: Secure JPEG 2000

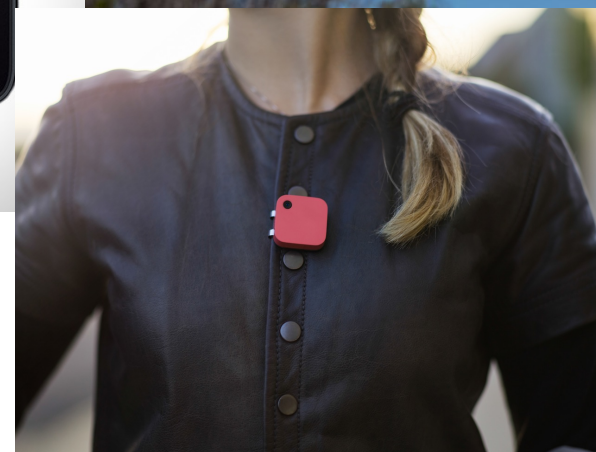
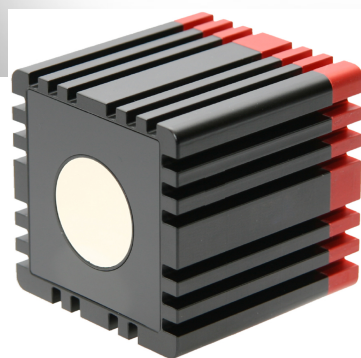
- **Confidentiality** via encryption and selective encryption
- **Integrity** verification
- Source **authentication**
- Conditional **access**
- Registered content **identification**
- Secure scalable streaming and **secure transcoding**







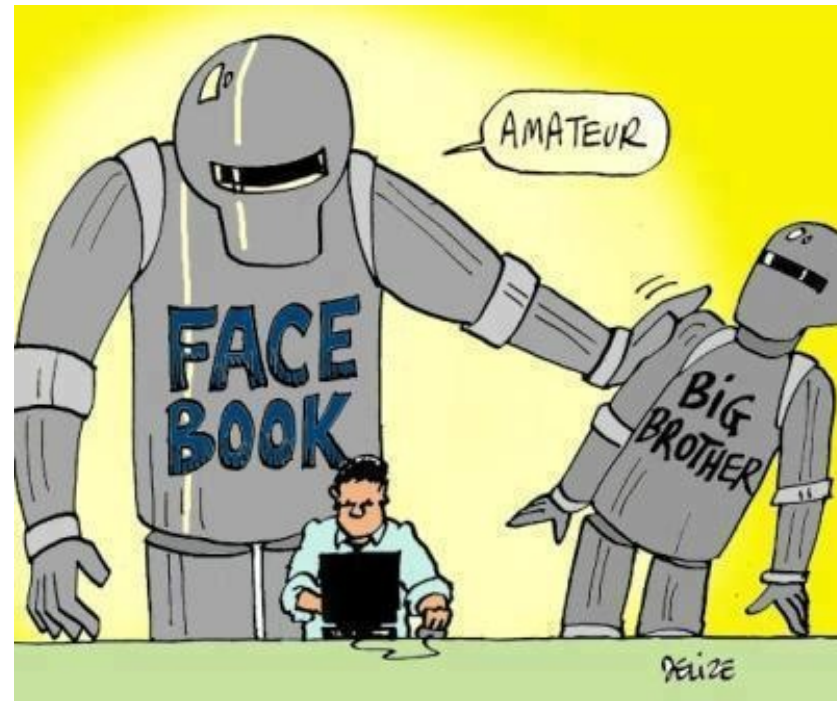
# Let us not forget the future of imaging!







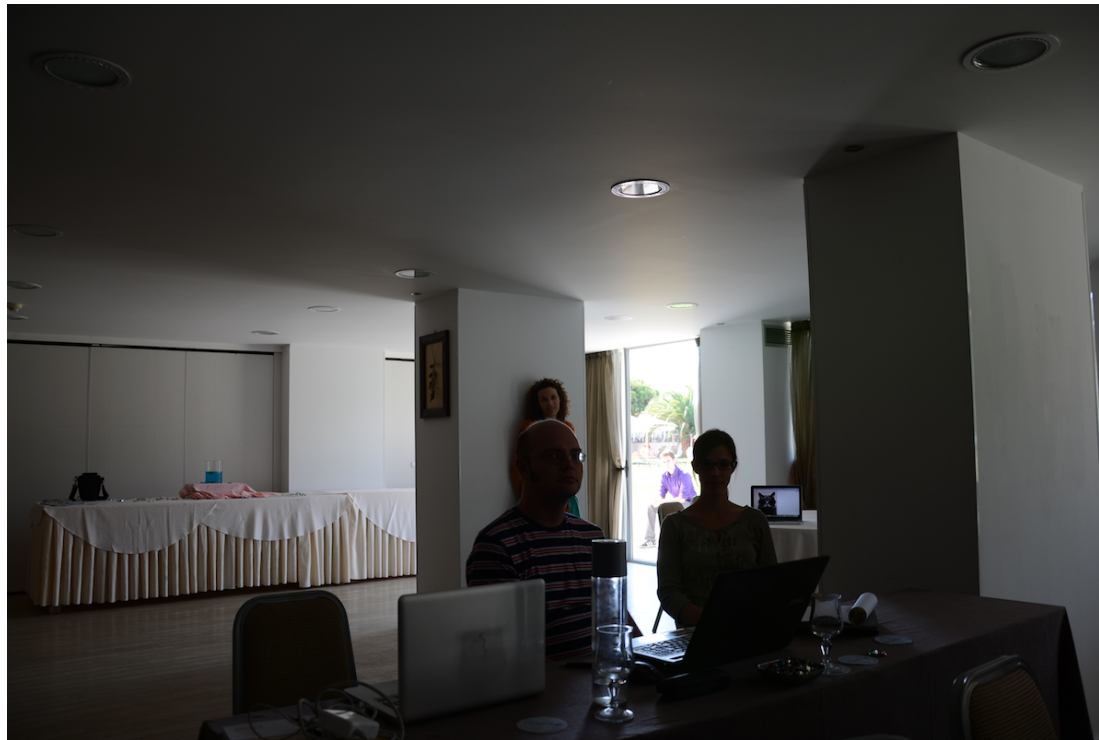
# Impact of new imaging on privacy and security







# LDR image







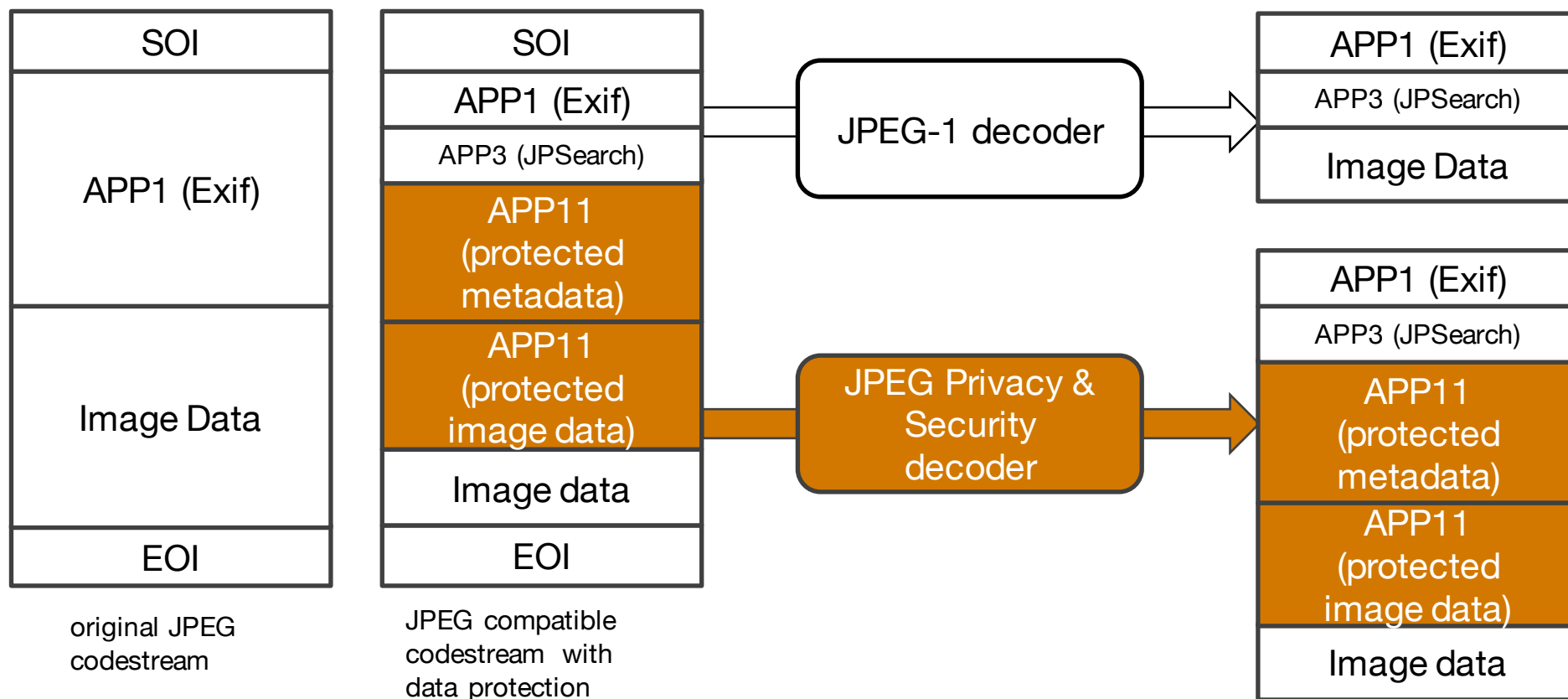
# HDR image







# JPEG Privacy & Security







# Looking forward to an exciting workshop

