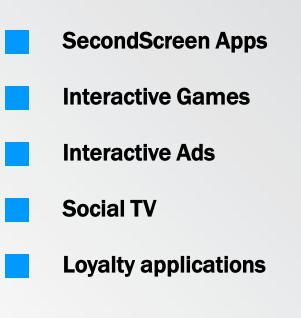


# SDK AND FRAMEWORK FOR SECONDSCREEN APPLICATIONS







# CIFRASOFT'S AUTOMATIC CONTENT RECOGNITION FOR MOBILE DEVICES

#### PATENTED AUDIO SIGNATURE GENERATION AND MATCHING TECHNOLOGY

#### STANDALONE SOLUTION WHICH IS EASY TO INTEGRATE INTO ANY MOBILE APPLICATION

AUDIO CONTENT RECOGNITION WITHOUT SERVER INFRASTRUCTURE (HIGHLY SCALABLE SOLUTION)



## **GENERAL INFORMATION**

Cifrasoft SecondScreen SDK allows developers to quickly build applications that recognize audio-visual content in real-time.



Our Framework Application can be used to build simple SecondScreen and companion apps without native coding

The entire content is in HTML/CSS/JavaScript and can be re-used in Android and iOS applications

For custom projects, we offer Software Development Kit for Android and iOS platforms



# **TECHNICAL DETAILS**

- Robust performance
- Fast recognition time (3-5 sec)
- Very compact audio signatures
- Up to 10 hours of audio signatures on mobile device

- API documentation
- Source code of demo applications
- Mobile device SDKs for iOS and Android
- Other platforms available upon request

- Acquisition and tracking mode for extra robust performance in acoustic noise
- Signature database can be updated via server back-end



### **FRAMEWORK APPLICATION**

Framework Application provides a way to build simple SecondScreen apps without native coding





Use several available templates for "Quotes", "Polls" and "Trivia" or add your own unique content and interactivity using standard web-technologies (HTML/CSS/JS)



# MORE SOLUTIONS FOR SECONDSCREEN AND INTERACTIVE APPLICATIONS

- SoundCode: Robust acoustic watermarking
- Allows embedding imperceptible watermarks into audio or video content
- Get more information at: <u>www.cifrasoft.com/secondscreen</u>

- Server-based audio-signature ACR solution
- Allows identification of pre-recorded audio content using interaction with servers

- Server-based real-time ACR audio-signature solution
- Allows second screen application to recognize live TV broadcast



# **DEMO APPLICATIONS**

Install our full-featured demo applications from Apple AppStore (iPad), or GooglePlay, and see it in action! "Cifrasoft SecondScreen" on AppStore and GooglePlay



Sync with demo movie on YouTube:

Tears of Steel - Blender Foundation's short Open Movie http://www.youtube.com/watc h?v=R6MIUcmOul8 Cifrasoft, OOO (Ltd)

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