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Room for imagination

Performance analysis

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Test overview

- We tested 2 common-market hand-held devices: Samsung Galaxy6s and iPhone6.
- This document contains 2 tables of test-results:
 - MisiCam battery consumption competitive-analysis (5 minutes use).
 - Real-time frame processing of CPU % and GPU usage in millisecond (Android vs. iOS).
- Test were conducted in the following method:
 - MisiCam vs. built-in Galaxy & iPhone cameras.
 - MisiCam vs. Super-Mario & flight-simulator.
 - MisiCam vs. Facebook messenger real-time camera filters.
- Performance analysis for the following tests were done using Android-studio and xCode development environment monitoring tools.



Battery consumption – 5 minutes use

Product	Battery consumption %	Under tests
MisiCam	4%	Real-time video filter+ game + VR (30 fps)
iPhone built-in camera	6%	Raw video
Galaxy built-in camera	4%	Camera default filters
Facebook camera	12%	Real-time video filter (15 fps)
Super-Mario	8%	Game only
Flight-Simulator	6%	Game only



MisiCam real-time performance - Android

MisiCam runs on Galaxy 6s - frame processing of CPU % and GPU usage in millisecond.

Filter	Camera		Game		Game VR	
	CPU (%)	GPU (ms)	CPU (%)	GPU (ms)	CPU (%)	GPU (ms)
HDR (raw)	3.5	6	10	12	15-20	12
Maw	2.9	3	9	10	15-20	10
Memory	3.3	5	12	12	15-20	10
Gold	2.3	6	11	12	15-20	10
Bleach	2.4	2.7	10	11	15-20	10
Orange	1.9	4.3	9	10	15-20	10
Coal	4	4.9	9	9	15-20	10
Legend	3.7	5	10	9	15-20	10



MisiCam real-time performance - iOS

MisiCam runs on iPhone 6 - frame processing of CPU % and GPU usage in millisecond.

Filter	Camera		Game		Game VR	
	CPU (%)	GPU (ms)	CPU (%)	GPU (ms)	CPU (%)	GPU (ms)
HDR (raw)	12	15	30	18	45- 55	17
Maw	12	16	30	18	45- 55	16
Memory	12	16	30	18	45- 55	18
Gold	12	20	30	21	45- 55	21
Bleach	12	17	30	19	45- 55	19
Orange	13	15	30	17	45- 55	17
Coal	12	18	30	15	45- 55	18
Legend	12	17	30	17	45- 55	19



Thank you

Misi Tech Inc.

MisiCam video-camera and gaming console,
download:



[Watch our demo on YouTube](#)

Misi Tech INC.

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