Project: IEEE P802.15 Working Group for Wireless Personal Area Networks (WPANs)

Submission Title: Panasonic Response to 15.7r1 CFA

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Abstract: Applications for optical camera communication system

Purpose: Call for Applications Response

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Application: Hospitality of Public Service

Guide board/Signage

Offering traffic/travel info by just holding smartphone over the guide board/signage





Guide board translating service

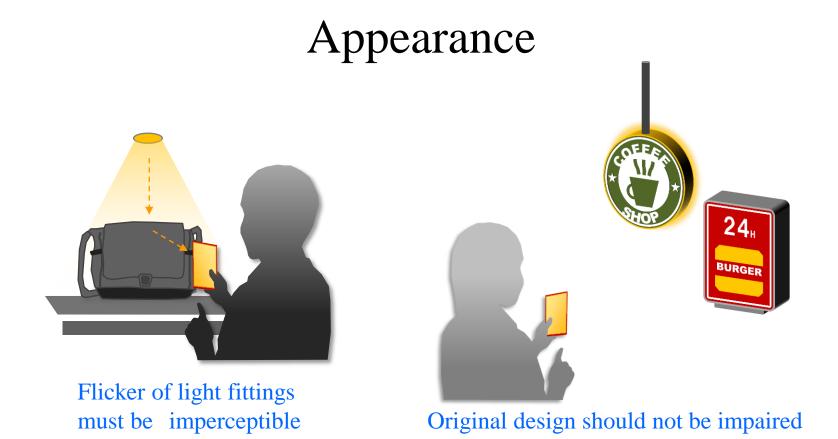
Offering translated info to each language by just holding smartphone over the guide board/signage



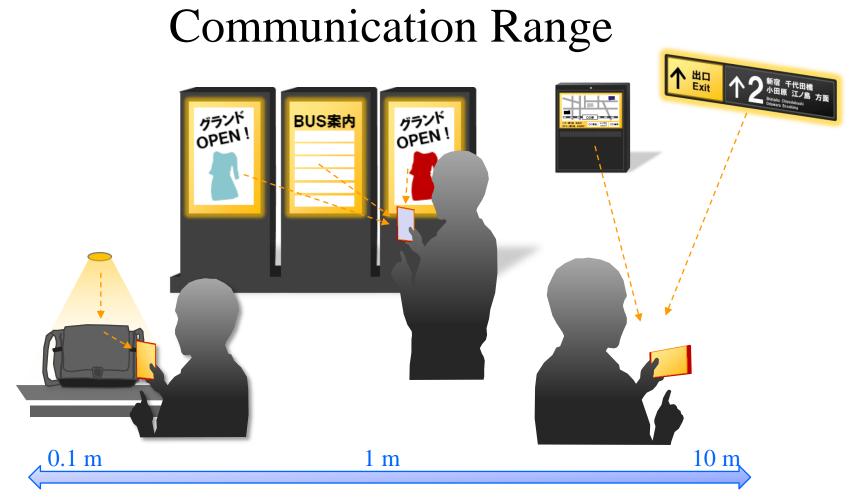


Application: O2O Marketing





The standard provides at least one OCC PHY mode that works without flicker not only for human eyes but also for cameras



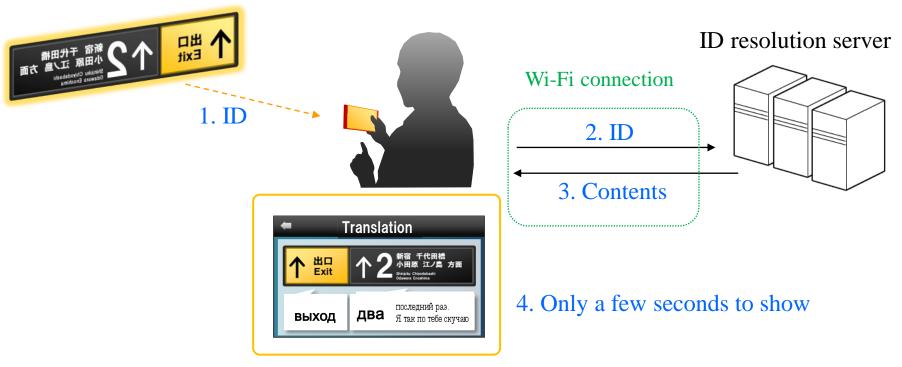
The standard provides at least one OCC PHY mode whose communication range includes 0.1 - 10 meters

Reflected Light



The standard provides at least one OCC PHY mode that supports communication via reflected light

Response Time



For quick response, receiver receives a short ID and get related contents via fast connection (e.g. Wi-Fi)

The standard provides at least one OCC PHY/MAC mode that supports short (8-128 bits) ID transmission within a second

Summary

We suggest

- 1. The standard provides at least one OCC PHY mode that works without flicker not only for human eyes but also for cameras.
- 2. The standard provides at least one OCC PHY mode whose communication range includes 0.1 10 meters.
- 3. The standard provides at least one OCC PHY mode that supports communication via reflected light.
- 4. The standard provides at least one OCC PHY/MAC mode that supports short (8-128 bits) ID transmission within a second.