

Open Spherical Camera API Specification

API level 2

Introduction

The Open Spherical Camera (OSC) API Specification defines the command set that manufacturers can implement to provide an industry standard API for cameras with built-in WiFi. Please refer to the [OSC Manufacturer Guide](#)

(<https://developers.google.com/streetview/open-spherical-camera/guides/?hl=zh-cn>) for manufacturer implementation guidance.

Feedback

We look forward to hearing your feedback on how we can improve the OSC API Specification and Manufacturer Guide. Whether you've encountered engineering pain points, confusing documentation, or unexpected behavior, please let us know.

Report an issue or submit feedback and suggestions.

Overview

This document describes a proposed set of commands for a variety of spherical cameras (with built-in WiFi). The goal is to allow any app developed against this API on any platform to control any connected spherical camera that implements this API.

Note: Support for video and live preview was added in API level 2. You are still welcome to add vendor-specific commands if needed.

To ensure vendor-specific commands and parameters are easy to distinguish from official commands, please prefix each new command and parameter with an underscore (_).

Please note that manufacturers define error case message fields, so they should be as detailed as possible.

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