

OnStream MediaPlayer+

Introduction and Documentation Guide

for

Android Platforms

SDK Version 3.9 and later

VisualOn, Inc.

<http://www.visualon.com>

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Table of Contents

1	ABOUT THIS MANUAL	1
1.1	OVERVIEW	1
1.2	REVISION HISTORY	1
2	INTRODUCTION.....	2
2.1	ARCHITECTURE.....	2
3	DOCUMENTATION.....	3
3.1	APPLICATION GUIDES	3
4	VISUALON CONTACTS	3
4.1	VISUALON SUPPORT	4
4.2	VISUALON OFFICES	4

Table of Figures

FIGURE 2-1:	OSMP+ PLAYER SDK FOR ANDROID ARCHITECTURE	2
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1 About This Manual

1.1 OVERVIEW

This manual describes introduces the OnStream[®] MediaPlayer+ Player SDK (or “SDK”) and describes the documentation included with the release package for Android platforms. VisualOn contact information is provided for additional information and customer support.

1.2 REVISION HISTORY

Rev	Product Version	Date	Description
1.0	V3.5	2013-03-25	Document Creation
1.1	V3.9	2013-11-20	Contact Page Update

2 Introduction

OnStream MediaPlayer+ (OSMP+) is a multimedia player development kit enabling cross-platform content delivery and playback on connected devices including mobile handsets, tablets, desktops, set-top boxes, and smart TVs. OSMP+ enables the development of both enterprise and consumer grade applications to meet the latest trends in high-quality video/audio delivery and playback.

The OSMP+ toolkit includes a set of highly optimized software multimedia codecs for the most popular formats, as well as support for multiple streaming protocols across a wide range of media servers. OSMP+ builds upon market-proven technology that currently powers over 200 million mobile devices.

The OSMP+ Player SDK for Android is a development kit to create a media player on Android-based devices. It supports various functions such as:

- Playback of multiple video/audio formats to devices with or without native support.
- Playback of live or VOD streaming, progressive download, and local media sources.
- Easy integration with Digital Rights Management (DRM) decryption engines.
- Ad insertion and in-stream Ad playback.
- Audio post-processing for 3rd party audio effect plug-ins and equalizers.
- Video post-processing for Closed Captions (CC) and subtitles rendering.

2.1 ARCHITECTURE

The SDK is built on top of the OnStream Engine and Data Source, as shown in Figure 2-1.

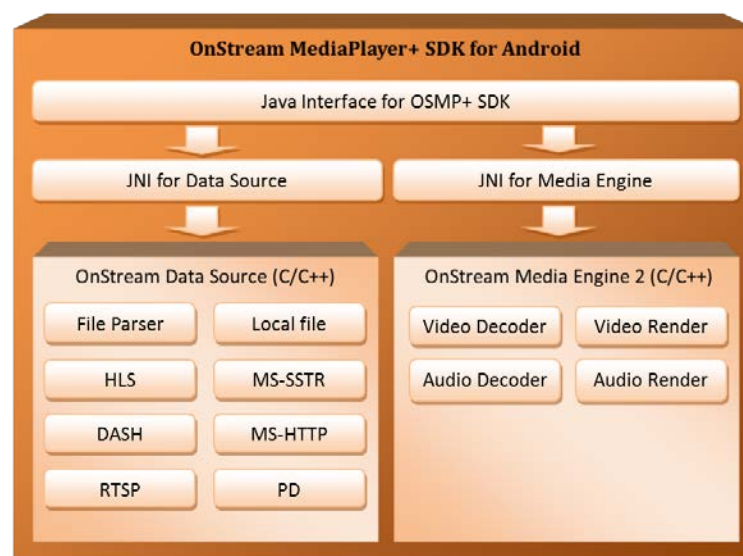


Figure 2-1: OSMP+ Player SDK for Android Architecture

3 Documentation

OnStream MediaPlayer+ SDK release for Android platforms includes the following documentation:

- [*OnStream MediaPlayer+ Player API Reference Manual for Android Platforms*](#)
This document describes the API specification for the Player SDK.
- [*OnStream MediaPlayer+ Player SDK Integration Guide for Android Platforms*](#)
This document describes Player SDK integration topics (basic integration and playback, seekbar control, closed captions, etc.).
- [*OnStream MediaPlayer+ SamplePlayer Tutorial for Android Platforms*](#)
This document describes the usage of the sample player project included with the SDK.
- [*OnStream MediaPlayer+ SDK Project Setup for Android Platforms*](#)
This document describes the installation and setup of the Player SDK.

3.1 APPLICATION GUIDES

OnStream MediaPlayer+ SDK release for Android platforms includes the following application guides:

- [*OnStream MediaPlayer+ Player API Variances for Android and iOS Platforms*](#)
This document describes the API variances between the Android and iOS implementations of the Player SDK.
- [*OnStream MediaPlayer+ Player SDK Migration AG for Android Platforms*](#)
This document describes the API variances between the V2 and V3.5 implementations of the Player SDK.

4 VisualOn Contacts

4.1 VISUALON SUPPORT

For product support, please contact us at: support@visualon.com.

For general information, visit our company website: <http://www.visualon.com>.

4.2 VISUALON OFFICES

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