[Hanwha Open Platform Development Procedures]

This document indicates procedures in developing and finalizing your application using Hanwha Open Platform.

1) NDA

You can download the SDK for Hanwha Open Platform App development by registering on the STEP portal, a membership program for partners who use Hanwha Techwin products.

When developing an App using SDK and needing support for materials and functions other than SDK materials, an NDA signing is required.

2) Open Platform SDK

The following components are included.

A. SDK package: cross compiler, library files, example code…

$ /opt/opensdk/opensdk-x.00

B. Documentations : Program guide, API, Web page guide

C. Eclipse Plug-in : Camera Project, Build, Installation

3) Development

You can start development by yourself with 2)Open Platform SDK.

A. API usage can be checked by referring to the sample code.

B. Questions about using API are supported through 'Help Desk' – 'Q&A' on the STEP site.

4) Conformance Test

To verify your application's performance, you should conduct the

conformance test. The purpose of this test is to ensure that the basic performance of the camera is maintained while your application is running.

The result of conformance test is uploaded to the STEP site after filling out the check item of the Conformance Template.
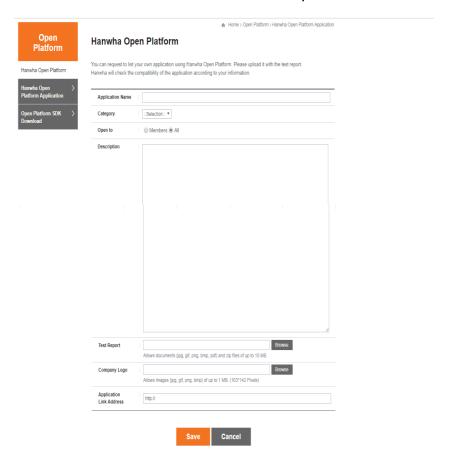
5) Application Registration on STEP site

The next step in developing an open platform app is the process of registering the developed app on the STEP site.

https://step.hanwha-security.com/kor_EN/OpenPlatform/OpenPlatform.aspx

If you are not a member of the STEP site, please join as an application partner first.

A. Go to [Open Platform] -> [Hanwha Open Platform] page, click on Register New Applications button.

B. Enter all of the information require.

- Conformance test results are written and signed in the Check List and uploaded to the Test Report field.

- "Company logo image" requires 163x142 pixels.

- "Application Link Address" is your web page link address which includes the introduction of your Open Platform application and the way to purchase.

C. Description is an introduction comment about the App. When registration is complete, it will be posted to all users. The posted content cannot be edited by administrators other than the author.

D. The staff in charge of Hanwha Open Platform confirms the conformance test result and uploaded data and approves it to be posted to all users.

E. After approval, your application will be listed on both a main page and an Open Platform page.

F. After listing-up, you can request to revise the comments. Approval process should be needed.

6) App signing certificate release

App signature verification is introduced from Camera products with Hanwha Techwin SoC WN7. App signature verification process ensures that only trusted apps are installed on the camera.

A. you can download the test key and test certificate from STEP site in the app development step.

B. When registering developed application with conformance test result on the STEP, you should request a signing key and certificate for your application.

C. Hanwha sends you the signing key and certificate encrypted by e-mail.

D. Save the signing key and certificate file in the following directory of the development computer. "/opt/opensdk/signature"

Building the app in the Eclipse IDE or running opensdk_packager creates an electronically signed package file.

E. The camera verify app signature and certificate chain when installing application on camera.

*** Products that do not use WN7 are the same as the current development process.

Application Partner		Hanwha Techwin STEP site
	1. Register as an Application partner on STEP →	
	2. Account approved ← (Authorization to use OpenSDK)	
	3. Open Platform SDK download ← **Test key/Certificate download (Effective period 3 months)**	
	4. Request register on the developed App list → **Request App certificate, private key**	
	5. Register App on the developed App list ← **Send App certificate, key**	