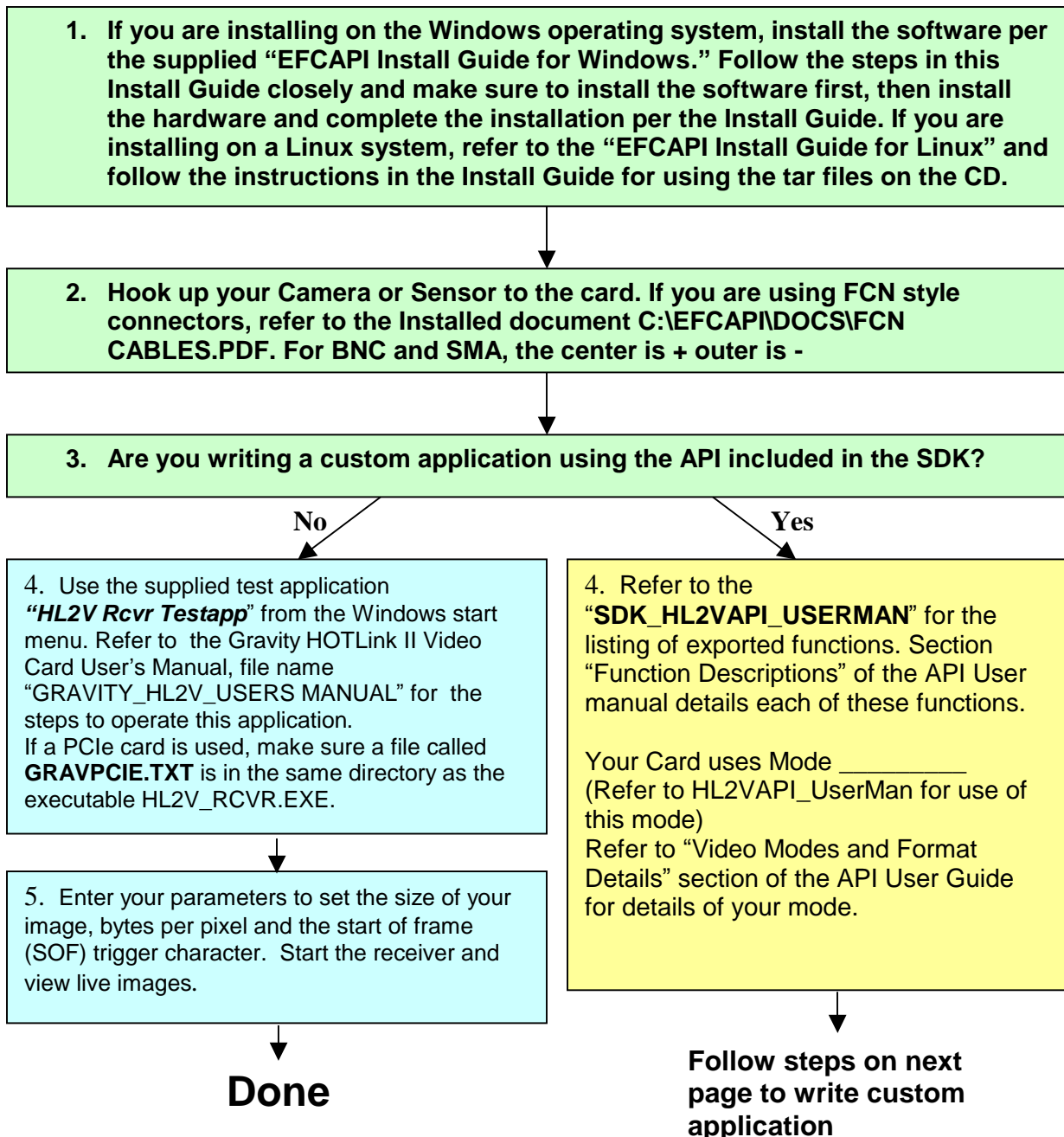




## Quick Start for Gravity HL2V (Hotlink II Video) Cards

This document describes the steps required to use Great River Technology Gravity series Hotlink II Video card. This document is applicable to both PCI and PMC versions of the card.



## Steps to write custom application

- A. Follow the steps in the “Applications and Function Usage” section of the SDK User’s Manual and/or refer to the example code for a basic application framework. For a basic receiver application, start with “exampleHL2V” or for Linux use “efchl2v.c”  
**Also a fully working HL2V application with source code is provided named “HL2Vreceive”. This can also be used as a start for the user custom application**
- B. Use your frame parameters and set all structure parameters that apply. Refer to the “User Types Defined” section of the SDK User’s Manual. In the example source code for exampleHL2V file named **exampleHL2VDlg.cpp**, look for the commented section “USER DEFINED AREA.” Enter parameters per your video definition. You can also copy and paste these parameters from the **HL2V\_RCVR.param** file as generated by the “**HL2V Rcvr Testapp**” in section 3.1.4 of the User Manual
- C. Add code to the interrupt handler to show or store your data captured. Refer to “Interrupt Notification Methods” section of the SDK User’s Manual.
- D. Make sure your application includes the header file “EFCAPI.H” and the library “EFCAPI.LIB” located in the C:\EFCAPI\CODE directory.

### Build and run your application

Refer to the table below for the applicable documents and software.

Description	Location from C:\EFCAPI
Supplied Factory Test Applications	HL2V_Rcvr.exe (Add GRAVPCle.TXT file for PCIe operation) or HL2V_Xmit.exe (Add GRAVPCle.TXT file for PCIe operation)
API User’s Manual (included in SDK )	\Docs\SDK_HL2VAPI_UserMan.pdf
User Manual for supplied applications	\Docs\Gravity_HL2V_USERS_MANUAL.pdf
Example Code (included in SDK )  Located in EFCAPI\Code\examplesHL2V directory	<b>exampleHL2V</b> (For receiver example) or <b>exampleHL2V_Xmit</b> (Transmitter example, will only work if for a camera emulator board) or <b>HL2VReceive</b> (full feature GUI type Receive application.) Or <b>HL2VTransmit</b> (full feature GUI type Transmit application.)
API header file and API library (included with SDK )	\Code\efcapi.h \Code\efcapi.lib
<b>For Technical Support Call Toll Free in US 1-866-478-4491 or 505-881-6262</b>	