

**SC560N1-LV
HDMI2**

User Guide

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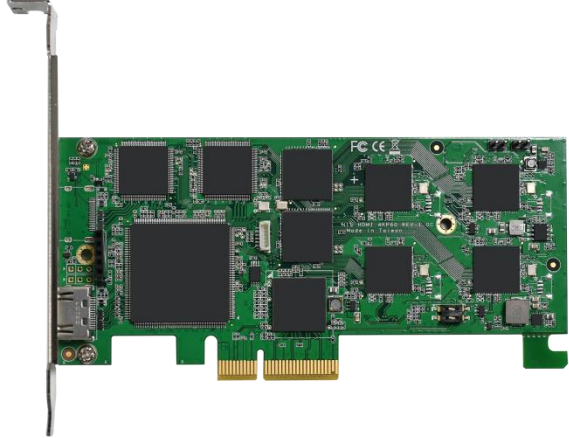
3. PRODUCT INTRODUCTION

3.1. Product Brief

SC560N1-LV HDMI2 is a high-quality, high-performance capture device which is specially designed for high-definition video capture applications. It supports up to 1 channel of high-definition, 2160p60 video from HDMI2.0 source and HDMI embedded audio source.

With software support, SC560N1-LV HDMI2 can record and make use of live video sources in different kind of productions..

3.2. Specification

Model	SC560N1-LV HDMI2
Max. FPS	4096×2160p@60/50fps in → 4096×2160p@60/50fps out
Product photo	
Dimension	144.75 x 68.9 (mm) PCIe Low Profile
Interface	PCIe x4 (Gen2)
Video Input	1 × HDMI 2.0
Display Video Format	YV12,NV12,YUY2,RGB24,RGB32
Video RAW Data Resolution	HDMI 2.0 4096×2160@60/50/30/25/24fps 3840×2160@60/50/30/25/24fps 2560x1600@120/85/75/60fps 2560×1440p@60fps 1920x1440@120fps 1856x1392@120fps 2048x1152@60fps 1920×1200p@60fps 1920×1080p@144/120/60/50fps 1920×1080p@30/25/24fps 1920×1080i@60/50fps 1280×720p@60/50fps 1280×1024p@60fps 1280×960p@60fps

	1024×768p@60fps 800×600p@60fps 640×480p@60fps 720×480p@60fps 720×576p@50fps 720×480i@60fps 720×576i@50fps
Recording Video Resolution	HDMI 2.0 4096×2160@60/50/30/25/24fps 3840×2160@60/50/30/25/24fps 2560×1600@120/85/75/60fps 2560×1440p@60fps 1920×1440@120fps 1856×1392@120fps 2048×1152@60fps 1920×1200p@60fps 1920×1080p@144/120/60/50fps 1920×1080p@30/25/24fps 1920×1080i@60/50fps 1280×720p@60/50fps 1280×1024p@60fps 1280×960p@60fps 1024×768p@60fps 800×600p@60fps 640×480p@60fps 720×480p@60fps 720×576p@50fps 720×480i@60fps 720×576i@50fps
Audio Input	1 × HDMI Embedded audio
Audio Format	Stereo / 16-bit / 32000 ~ 48000Hz
WatchDog	✓
Multiple Cards	∞
SDK	VC++ / C# / .NET / VB / V4L2

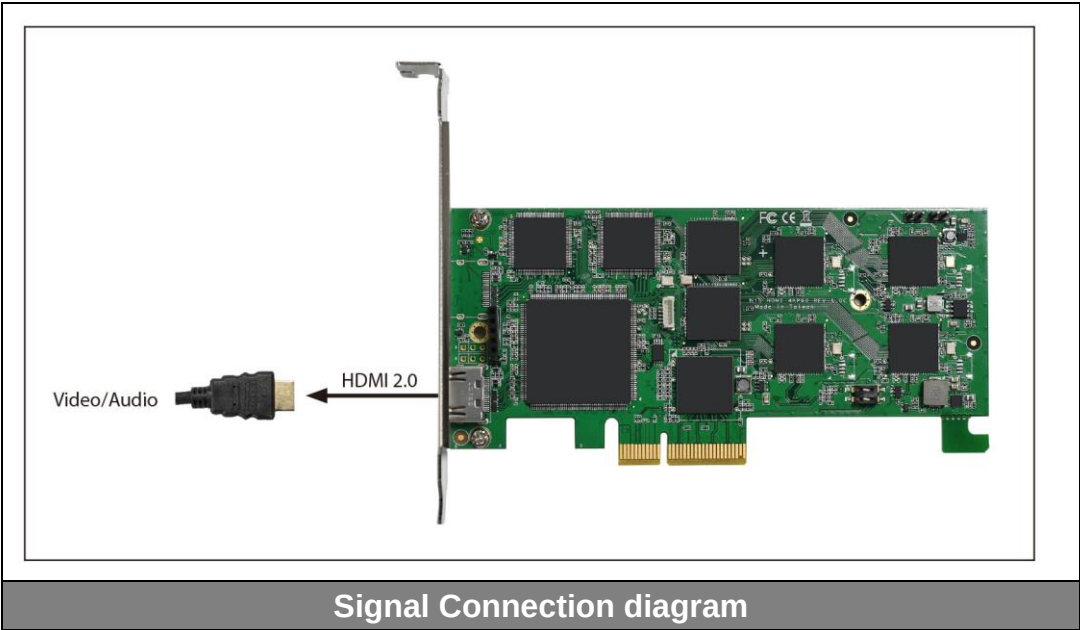
4. HARDWARE INSTALLATION

4.1. Package Contents

Item	Amount
SC560N1 4KP60	1
Low profile bracket	1(Optional)
Watchdog Cable	1(Optional)

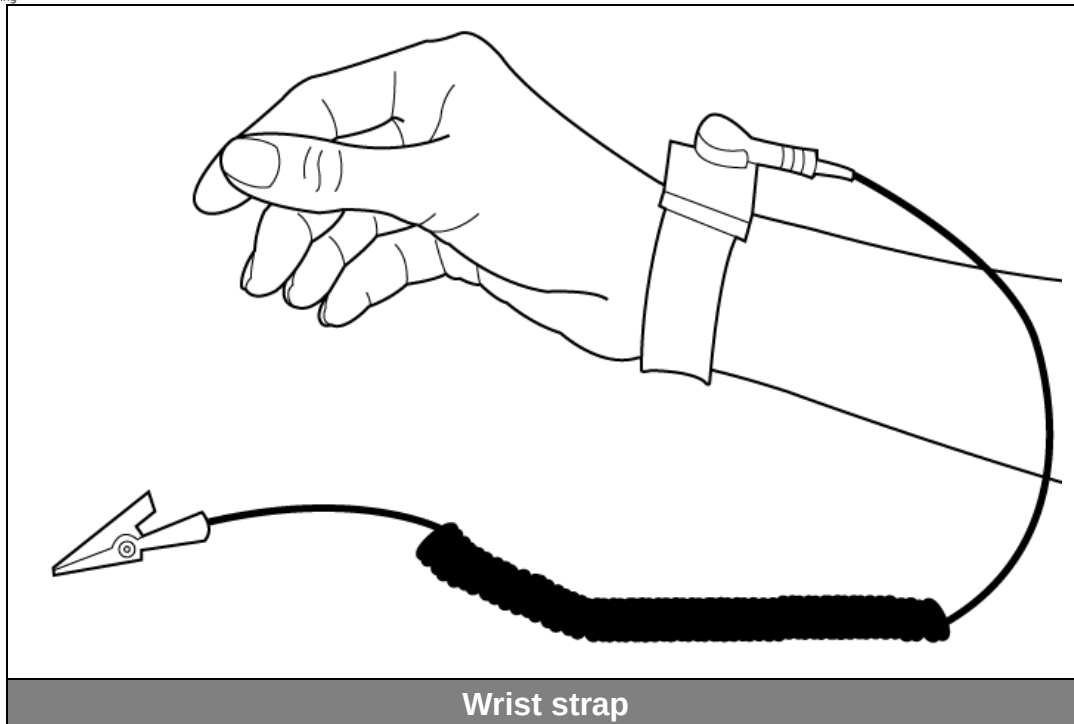
4.2. Connection Diagram

Figure below is the connection diagram for supported signal and interface.



4.3. Precaution

Before proceed, make sure touch a safely grounded object or metal object before touching the device.



Please follow below chapter for installation operations

4.4. PCI/PCIE

- Turn off PC/notebook and remove power cord from AC plug/sockets on the wall.
- Remove notebook battery.
- After make sure the system is fully shut down, open the chassis.
- Unpack the device package and make sure don't touch any electrical and semiconductor components on the device, especially ICs on board.
- Install PCI/PCIE card to available motherboard PCI/PCIE slot and fasten the screw on the device and back plate.
- Close the chassis and connect signal source to the device.
- Turn on the system.

5. SOFTWARE INSTALLATION (SC Device)

5.1. Support OS

Windows based system	Windows XP	Support
	Windows Vista	Support
	Windows 7	Support
	Windows 8/8.1	Support
	Windows 10	Support
Linux based system	Linux 2.6.14 or Higher	Support

5.2. Driver Installation

After install the device and reboot the PC/notebook, the “Windows Found New Hardware Wizard” will appear and detect the device. Please click “Cancel” to exit the Wizard, and implement installation program to install the device driver and application.

- Please click on the driver and follow the instruction to start the installation.
- While the installation is completed, user may check the device driver is installed correctly by following steps
 - Start
 - Control Panel
 - System
 - Device Manager
 - And user can find device from the device manager dialog (see below figure, device number will different by channel numbers).

