

# User Guide

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## Model – SC542 N4 HDMI

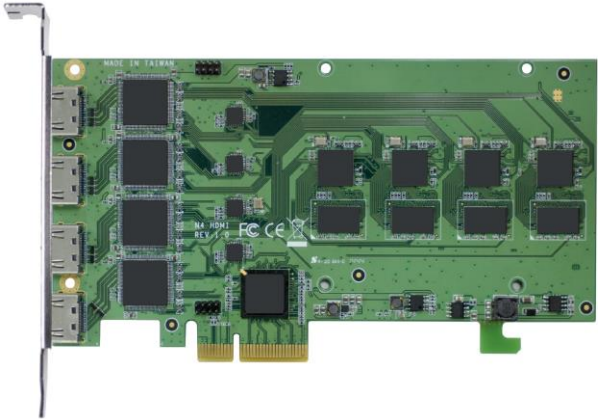
# Product Introduction

## Product Brief

SC542 N4 HDMI is a high-quality, high-performance capture device which is specially designed for high-definition video capture applications and live video switching. It supports up to 4 simultaneous HDMI video inputs with PCIe(x4) connectors to connect to computers expansion slot.

## Specification

### 3.1. Product Specification

SC542 Product Series Hardware Specification	
<b>Model</b>	SC542 N4 HDMI
<b>Max. FPS</b>	1920×1080p@60/50fps in → 1920×1080p@60/50fps out
<b>Product Photo</b>	
<b>Dimension</b>	167.65 × 93.04 (mm) PCIE full height
<b>Interface</b>	PCIe x4 (Gen2)
<b>Video Input</b>	4 × HDMI
<b>Display Video Format</b>	YV12,NV12,YUY2,RGB24,RGB32
<b>Video RAW Data Resolution</b>	1920×1080p@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
<b>Recording Video Resolution</b>	1920×1080p@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
<b>Audio Input</b>	4 × HDMI Embedded audio
<b>Audio Format</b>	Stereo / 16-bit / 32000 ~ 48000Hz
<b>WatchDog</b>	✓
<b>Multiple Cards</b>	∞
<b>SDK</b>	VC++ / C# / .NET / VB / V4L2
<b>System Requirement</b>	
<b>OS Support</b>	Windows XP / Vista / Windows 7 Windows 8 / Windows 8.1/ Windows 10 Linux 2.6.14 or Higher ( 32-bit and 64-bit )

## Packing List

Item	Amount
SC542N4 HDMI Capture Card	1 (piece)
Watchdog cable	1 (piece)
USB stick or CD with driver	1 (piece)

## Hardware Installation

### Before You proceed

Please note below precautions before any install/uninstall operations:

- ✓ ALWAYS turn off the system before hardware installation/un-installation.
- ✓ ALWAYS unplug the power cord from the wall outlet/socket before hardware installation/un-installation.
- ✓ ALWAYS touch a safely grounded object or metal object before touching the device.
- ✗ DO NOT touch any devices before the system is fully off.
- ✗ DO NOT touch any components on the device, especially ICs on the board.

## Card and Driver Installation

### Download driver

For example from

[http://yuan.com.tw/en/market/software/vmixdriver/download/DRIVER.QP0203\\_YS%201.1.0.149.0.exe](http://yuan.com.tw/en/market/software/vmixdriver/download/DRIVER.QP0203_YS%201.1.0.149.0.exe)

Or via link at [shop.jmc.se](http://shop.jmc.se)

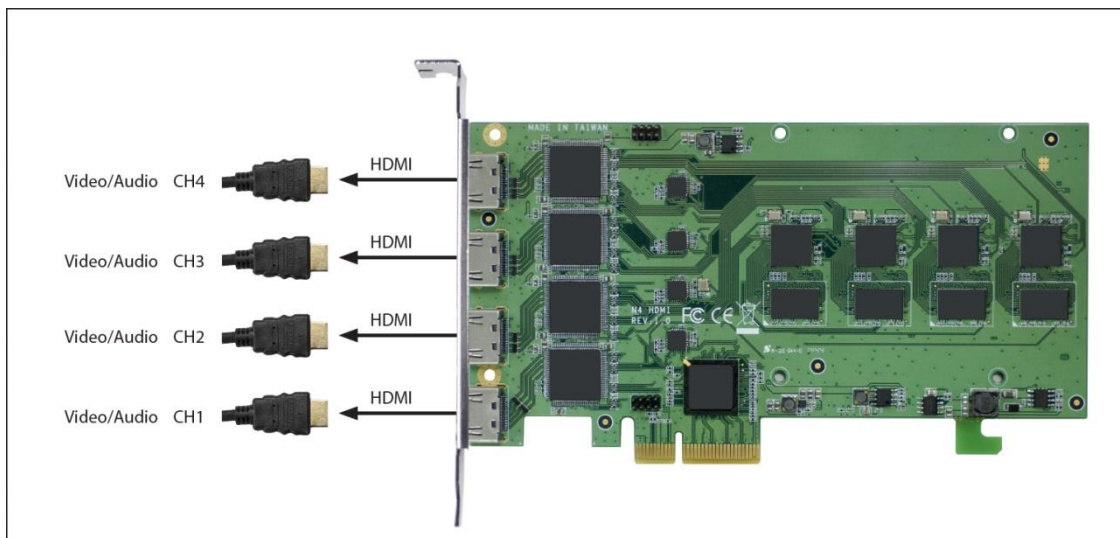
Step 1: Turn off the system and unplug power cord from wall outlet/socket.

Step 2: Remove the computer system case cover.

Step 3: Plug capture device into an available PCIe slot on motherboard.

Step 4: After hardware installation is completed, then install the driver.

### 4.2 Signal Source Connection Diagram



### 4.3 Watchdog cable Installation (optional)

Watchdog function is to reset the PC automatically when the system is crashed on an unknown error.