

User Guide




Model – SC542 N4 SDI

1、 Introduction

SC510N4 SDI is a high-quality, high-performance capture device. It supports up to 4 channels of video inputs with SDI connectors.

2、 Specification

SC330 Product Series Hardware Specification	
Model	SC542 N4 SDI
Max. FPS	1920×1080p@60/50fps in → 1920×1080p@60/50fps out
Recording Mode	Software Compression, Real-Time Mode
Product Photo	<p>SC542N4 SDI</p> 
Dimension	140.51 × 101.01 (mm) PCIe full height
Interface	PCIe × 4 (Gen2)
Video Input	4 × SDI
Display Video Format	YV12, NV12, YUY2, RGB24, RGB32
Display Video Resolution	<p>3G-SDI 1920×1080p@60/50fps</p> <p>HD-SDI 1920×1080p@30/25/24fps 1920×1080i@60/50fps 1280×720p@60/50fps</p> <p>SD-SDI 720×480i@60fps 720×576i@50fps</p>
Recording Video Format	H.264 (Software Compression)

Recording Video Resolution	<p>3G-SDI 1920×1080p@60/50fps</p> <p>HD-SDI 1920×1080p@30/25/24fps 1920×1080i@60/50fps 1280×720p@60/50fps</p> <p>SD-SDI 720×480i@60fps 720×576i@50fps</p>
Audio Input	4 x embedded SDI 2 x 3.5mmAudio
Audio Format	Stereo / 16-bit / 48000Hz
I/O	16
WatchDog	✓
SDK	VC++ / .NET / VB / V4L2
System Requirement	
OS Support	Windows XP / Vista / Windows 7 Windows 8 / Windows 8.1/ Windows 10 Linux 2.6.14 or Higher (32-bit and 64-bit)

3、 Packing List

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

4、 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 electrical and semiconductor components on the device, especially ICs on board.

4.1 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

Or via link at 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

N/A

4.3 Watchdog cable Installation (optional)

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