User Guide

JMC
Systems Engineering

Model – SC510N2-L HDMI

1、   Introduction

SC510N2 SDI is a high-quality, high-performance capture device. It supports up to 4 channels of video inputs with SDI connectors.

2、   Specification

Model	SC510 N2-L HDMI
Max. FPS	120/100fps @ 1920x1080p
Dimension	140 x 64.41 (mm)
Interface	PCIe x4
Video Input	2 x HDMI
Display Video Format	YV12,NV12,YUY2,RGB24,RGB32
Display Video Resolution	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 720×576p@50fps 720×576i@50fps 720×480p@60fps 720×480i@60fps 640×480p@60fps
Recording Video Resolution	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 720×576p@50fps 720×576i@50fps 720×480p@60fps 720×480i@60fps

Audio Input	2 × embedded HDMI
Audio Format	Stereo / 16-bit / 32000-48000Hz
WatchDog	Yes
SDK	VC++ / .NET / VB / V4L2
System Requirement	
OS Support	Windows XP / Vista / Windows 7,8,10 Linux 2.6.14 or Higher (32-bit and 64-bit)

3、 Packing List

Item	Amount
SC510 N2 HDMI Capture Card	1 (piece)
Watchdog cable	1 (piece)
USB stick or CD with driver	0 (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

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.

DRIVER can be downloaded from (vMix & DirectShow)
http://www.yuan.com.tw/en/market/software/vmixdriver/vmixdriver.htm

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.