

# User Manual

ADVANTECH MODEL NAME: DVP-7014HE

ADVANTECH PART NUMBER: 9680015206

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# 1. Product Introduction

## 1.1 Product Brief

SC502 N1 MC HDV 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 video inputs with HDMI/DVI-D/VGA/YPbPr connectors to connect with 1 signal sources. With software support, SC502N1 MC HDV can record live video from HDMI/DVI-D/VGA/YPbPr signal sources into MPEG4 or H.264 files.

## 1.2 Product Specification

SC500 Product Series Hardware Specification	
<b>Model</b>	SC502 N1 MC HDV
<b>Max. FPS</b>	30/25fps @ 1920x1080p
<b>Recording Mode</b>	Software Compression, Real-Time Mode
<b>Product photo</b>	
<b>Dimension</b>	30 x 50.95 (mm)
<b>Interface</b>	Minicard (PCIe Gen2 x1)
<b>Video Input</b>	1 x YPbPr, 1 x HDMI, 1 x DVI-D, 1 x DVI-A (Through on-board wafer connector)
<b>Display Video Format</b>	YUY2
<b>Display Video Resolution</b>	1920x1080p@30/25/24fps 1920x1080i@60/50fps 1280x720p@60/50fps 1280x1024p@60fps 1280x960p@60fps 1024x768p@60fps 800x600p@60fps 640x480p@60fps 720x480p@60fps 720x576p@50fps 720x480i@60fps 720x576i@50fps
<b>Recording Video Format</b>	H.264 (Software Compression)

<b>Recording Video Resolution</b>	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>	HDMI Embedded Audio Audio L/R (2 × RCA through wafer connector to A/V cable)
<b>Audio Format</b>	Stereo / 16-bit / 32000 ~ 48000Hz
<b>Multiple Cards</b>	∞
<b>SDK</b>	VC++ / .NET / VB
<b>System Requirement</b>	
<b>OS Support</b>	Windows XP / Vista / Windows 7 ( 32-bit and 64-bit )

### 1.3 Product Package Contents

Item	Amount
SC502 N1 MC HDV Surveillance Capture Card	1 (piece)

## 2. Hardware Installation

### **Before You proceed**

Please note below precautions before any install/uninstall operations:

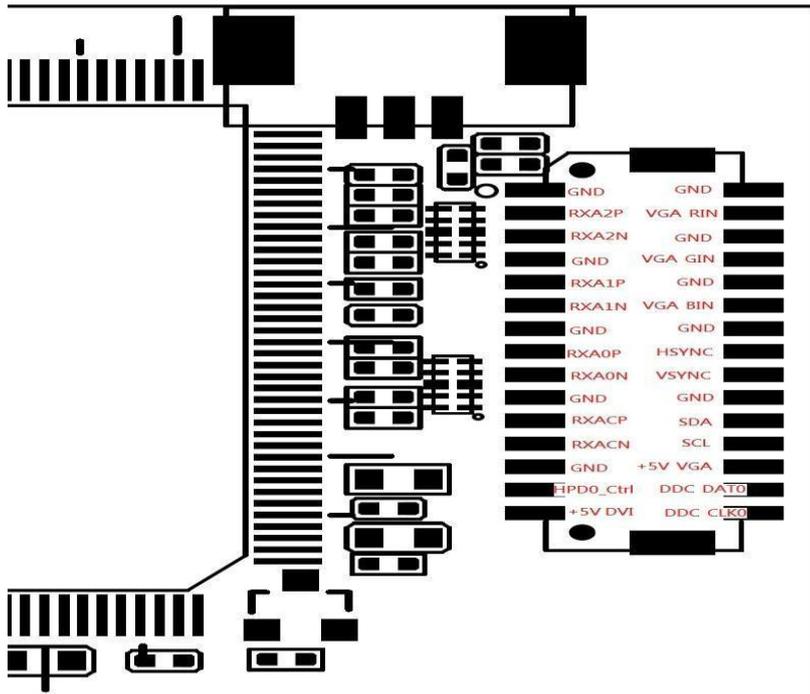
- ✓ ALWAYS turn off the system before hardware installation/uninstallation.
- ✓ ALWAYS unplug the power cord from the wall outlet/socket before hardware installation/uninstallation.
- ✓ ALWAYS touch a safely grounded object or metal object before touching the device.
- ✗ DO NOT touch any devices before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

### **2.1 Card Installation**

- A. Step 1: Turn off the system and unplug power cord from wall outlet/socket
- B. Step 2: Remove the computer system case cover
- C. Step 3: Plug SC502N1 MC HDV into an available Mini PCIe slot on motherboard

### **2.2 Signal Source Connection**

Connection Diagram



### 3. Software Installation

After hardware installation is completed, please start to install the software application.

#### 3.1. Driver Installation (Windows XP, Windows Vista, Windows 7)

The “Windows Found New Hardware Wizard” will appear and detect the device. Please click “**Cancel**” to exit the Wizard, and implement automatic installation program to install the device driver and application.

1. Please click on the driver and follow the instruction to start the installation.
2. While the installation is completed, please select the path thorough Start→ControlPanel→System→Hardware to Device Manager. And user can find “SA7160” device from the device manager dialog (see below figure).

