

User Guide

Model – SC502MC HDV

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1 Introduction

SC502MC HDV is a high-quality, high-performance capture device. It supports 1 channel of video inputs with 1 \times YPbPr, 1 \times HDMI , 1 \times DVI-D , 1 \times DVI-A connectors.

2 Specification

Model SC502 N1 MC HDV Max. FPS 30/25fps @ 1920x1080p Recording Mode Software Compression, Real-Time Mode Product Photo Image: Compression and the second		Product Series Hardware Specification	
Recording ModeSoftware Compression, Real-Time ModeProduct PhotoImage: Compression and the second	Model		
ModeSoftware Compression, Real-Time ModeProduct PhotoImage: Compression and the second		30/25fps @ 1920x1080p	
PhotoImage: Compression of the second se	-	Software Compression, Real-Time Mode	
InterfaceMinicard (PCIe Gen2 x1)Video Input1 × YPbPr, 1 × HDMI, 1 × DVI-D, 1 × DVI-A (Through on-board wafer connector)Display Video FormatYUY21920×1080p@30/25/24fps 1920×1080i@60/50fps 1280×720p@60/50fps 1280×1024p@60fps 1280×1024p@60fps 1024×768p@60fps 600ps 600ps 600ps 600ps 600ps	Photo		
Video Input 1 × YPbPr, 1 × HDMI, 1 × DVI-D, 1 × DVI-A (Through on-board wafer connector) Display Video Format YUY2 1920×1080p@30/25/24fps 1920×1080p@30/25/24fps 1920×1080p@30/25/24fps 1920×1080p@60/50fps 1280×720p@60/50fps 1280×720p@60/50fps 1280×1024p@60fps 1280×720p@60/50fps 1280×1024p@60fps 1024×768p@60fps 00×600p@60fps 640×480p@60fps 720×480p@60fps 720×480p@60fps	Dimension	Software Compression, Real-Time Mode	
Video Input(Through on-board wafer connector)Display Video FormatYUY21920×1080p@30/25/24fps1920×1080i@60/50fps1920×1080i@60/50fps1280×720p@60/50fps1280×1024p@60fpsVideo ResolutionResolution800×600p@60fps640×480p@60fps720×480p@60fps	Interface	Minicard (PCIe Gen2 x1)	
Display Video Format YUY2 Display Video Format 1920×1080p@30/25/24fps 1920×1080p@30/25/24fps 1920×1080p@30/25/24fps 1920×1080p@60/50fps 1920×1080p@60/50fps Display Video Resolution 1280×720p@60/50fps 0124×768p@60fps 1280×600p@60fps 01024×768p@60fps 640×480p@60fps 01024×768p@60fps 720×480p@60fps	Video Input	1 × YPbPr, 1 × HDMI , 1 × DVI-D , 1 × DVI-A	
Video Format YUY2 Initial State 1920x1080p@30/25/24fps 1920x1080p@30/25/24fps 1920x1080i@60/50fps 1920x1080i@60/50fps 1280x720p@60/50fps 1280x720p@60/50fps 1280x1024p@60fps Video 1280x960p@60fps Resolution 1024x768p@60fps 640x480p@60fps 640x480p@60fps 720x480p@60fps 720x480p@60fps	video input	(Through on-board wafer connector)	
Format 1920×1080p@30/25/24fps 1920×1080i@60/50fps 1920×1080i@60/50fps 1280×720p@60/50fps 1280×720p@60/50fps Display Video Resolution 1280×960p@60fps 800×600p@60fps 640×480p@60fps 640×480p@60fps 720×480p@60fps			
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1920×1080i@60/50fps 1280×720p@60/50fps 1280×1024p@60fps 1280×1024p@60fps 1280×1024p@60fps 1024×768p@60fps 800×600p@60fps 640×480p@60fps 720×480p@60fps	Format	1920×1080n@30/25/24fns	
Display 1280×720p@60/50fps Display 1280×1024p@60fps Video 1280×960p@60fps Resolution 1024×768p@60fps 800×600p@60fps 640×480p@60fps 640×480p@60fps 720×480p@60fps			
Display Video Resolution 1280×1024p@60fps 1280×960p@60fps 1024×768p@60fps 800×600p@60fps 640×480p@60fps 720×480p@60fps 720×480p@60fps			
Display Video 1280×960p@60fps Resolution 1024×768p@60fps 800×600p@60fps 640×480p@60fps 720×480p@60fps 720×480p@60fps			
Video 1024×768p@60fps Resolution 800×600p@60fps 640×480p@60fps 720×480p@60fps	Video		
800×600p@60fps 640×480p@60fps 720×480p@60fps			
640×480p@60fps 720×480p@60fps			
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	720×480i@60fps	
	720×576i@50fps	
	1920×1080p@30/25/24fps	
	1920×1080i@60/50fps	
	1280×720p@60/50fps	
	1280×1024p@60fps	
	1280×960p@60fps	
Recording	1024×768p@60fps	
Video Resolution	800×600p@60fps	
	640×480p@60fps	
	720×480p@60fps	
	720×576p@50fps	
	720×480i@60fps	
	720×576i@50fps	
	HDMI Embedded Audio	
Audio Input	Audio L/R (2 × RCA through wafer connector to A/V cable)	
Audio Format	Stereo / 16-bit / 32000 ~ 48000Hz	
SDK	VC++ / .NET / VB / V4L2	
	System Requirement	
OS Support	Windows XP / Vista / Windows 7	
OS Support	Linux 2.6.14 or Higher	
	(32-bit and 64-bit)	

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3 Mardware 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.

4.2 Signal Source Connection Diagram

