

# HDC-502E

PCIe Video/Audio Capture Card with Two Channel 3G-SDI Inputs, Two Channel 3G-SDI Loop Output, 1920x1080@60p and H.264 Hardware Encoder



## Features

- » 2-channel 3G-SDI input with H.264 hardware compression and 2-channel 3G-SDI output
- » High quality video encoding up to 1080p60
- » Low Power Consumption
- » SDK available for customer to create customized applications
- » Applications: professional studio, broadcast and transportation video applications
- » Windows/Linux OS supported

## Specifications

<b>Appearance</b>	
Dimension	188 mm x 125 mm
<b>Audio Processing</b>	
Audio Compression	MPEG-1 Audio Layer 2
Recording Data rate	256k
<b>Capture Interface</b>	
Audio Input	2 x Audio Input Channel 2 x Audio Input-3G-SDI
Interface Type	1 x PCIe x 1
No Delay Passthrough	2 x Audio Output Channel 2 x Audio Output-3G-SDI 2 x Video Output-3G-SDI 2 x Video Output Channel
Video Input	2 x Video Input-3G-SDI 2 x Video Input Channel
<b>Environment</b>	
Operating Temperature	0°C ~ 60°C (32°F ~ 140°F), non-condensing
<b>Functionality</b>	
Multiple Card Support	4 cards, 8 channels
<b>Others</b>	
Power Consumption	14.2W (12V@0.76A, 3.3V@1.52A)
<b>Software Support</b>	
SDK	1 x Linux 1 x Windows
OS Support	1 x Linux Ubuntu(16.04 (64-bit) (Kernel version: 4.4.0-21-generic)) 1 x Microsoft Windows 7 32-bit 1 x Microsoft Windows 7 64-bit
<b>System Requirement</b>	
CPU	x86 PC compatible computer, Intel® Pentium® 4 2.0GHz or above for video record
Memory	1GB or more
Graphic Card	Recommends using a DXVA or CUDA capable graphics card for real-time video playback
<b>Video Processing</b>	

Recording Data rate	2-30 Mbps
Recording Formats	1920 x 1080 x 60p
	1280 x 720 x 60p
Video Compression	1 x Hardware Encoder(H.264/AVC High Profile Level 4.2)
Video Input Resolution	1920 x 1080 x 60p / 50p / 30p / 25p / 24p
	1920 x 1080 x 60i / 50i
	1280 x 720 x 60p / 50p / 30p / 25p / 24p
	720 x 480 x 60i
	720 x 576 x 50i

## Ordering Information

HDC-502E-R10	PCI Express video/audio capture card with 2 SDI input channels, 2 loop-out channel, resolution support up to 1920x1080@60p, and Hardware H.264 codec
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## Packing List

1 x HDC-502E capture card	1 x QIG
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