

# HDCS-4U16-S HDCS-2U06-S

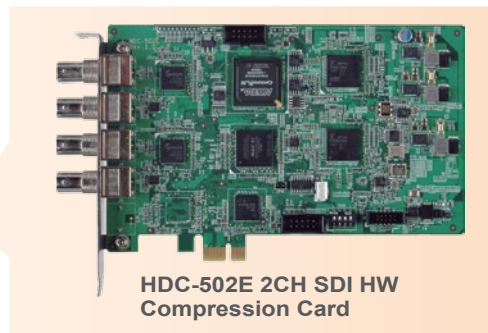
4U/2U SDI Channel H.264 Real-Time Video Server

**New**



HDCS-4U16-S Series

HDCS-2U06-S Series



HDC-502E 2CH SDI HW Compression Card



## Features

- HDMI 1080p 60fps real time video recording by hardware compression SoC
- Intel® Core™ i7 processor with 4GB/8GB 1333MHz DDR3
- Built-in 500GB HDD and one to three 5.25" expansion bay(s) for extra HDD
- Linux kernel v3.4 Fedora 16 32/64-bit compatible

- Provides SDK and reference samples for second development
- Two Gigabit Ethernet ports
- Supports USB 2.0 devices
- Decoding and playback performance may depend on CPU/SoC performance
- Realtek ALC888 7.1-Channel HD Audio

## HDCS-4U16-S



3 extension HDD bays for large storage space

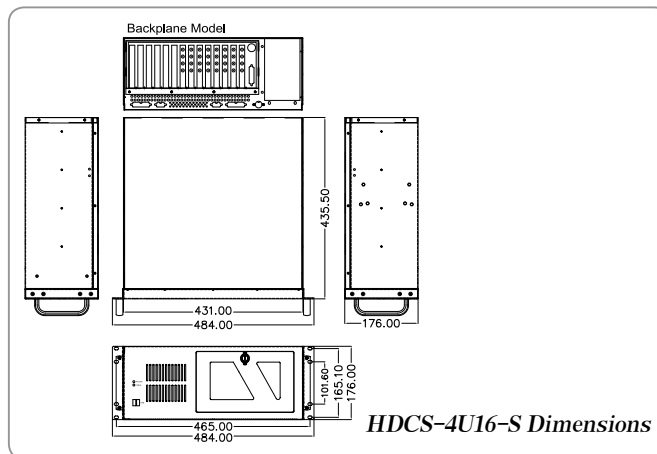


16CH SDI Inputs & 16CH SDI Loop-Output



8 x HDC-502E

## Dimensions (Unit: mm)



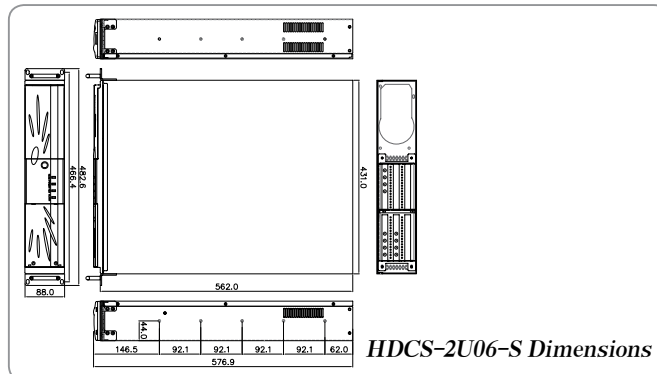
## HDCS-2U06-S



1 extension HDD bay for large storage space



6CH SDI Inputs & 6CH SDI Loop-Output  
3 x HDC-502E



## Introduction

The HDCS-2U/4U series is a video processing system for video/audio recording in 1080p 60fps from 6Mbps to 30Mbps bit rate. It features up to 32 channels of HDMI input supporting real-time recording in H.264/AVC High Profile Level 4.2 format and MPEG-1 Layer II standard which is used for audio compression at 256kbps.

The system provides real time encoding for high-density video recording server applications. The HDCS-2U series supports up to 12 channels of 1080p 60fps video streams while the HDCS-4U series supports 32 channels of video streams.

## Applications



### Distance Education/Instruction

- 1080p60 high quality lesson/course recording
- Live streaming for distance education



### Sport/Game Broadcasting

- 1080p60 recording fits high-speed sports/games motion and activity
- Share live sports/games video with friends by streaming and broadcasting applications



### Traffic Broadcasting

- Highway/freeway traffic status monitoring
- Weather report and lane detection

## Specifications

Model Name		HDCS-4U16-S	HDCS-2U06-S
Input Channel		2/4/6/8/10/12/14/16 channels	2/4/6 channels
Platform		SPCIE-C2060-R20	PCIE-Q670-R20
Processor		LGA1155 supports Intel® Xeon® E3 processor	LGA1155 socket supports Intel® Core™ i7 processor
System Chipset		Intel® C206	Intel® Q67
Video Processing	Video Compression	H.264/AVC High Profile Level 4.2	
	Input Resolution & Frame Rate	1920x1080x60p/59.94p/50p 1920x1080x60i/59.94i/50i 1280x720x60p/59.94p/50p	720x480x60i/59.94i 720x576x50i
	Record Resolution/ Frame Rate/Bit Rate	1920x1080x60p/59.94p/50p, encoding video bit rate from 6Mbps to 30Mbps 1920x1080x60i/59.94i/50i, encoding video bit rate from 6Mbps to 24Mbps 1280x720x60p/59.94p/50p, encoding video bit rate from 4Mbps to 24Mbps 720x480x60i/59.94i, encoding video bit rate from 2Mbps to 10Mbps 720x576x50i, encoding video bit rate from 2Mbps to 10Mbps	
Audio Processing	Audio Compression	MPEG-1 Audio Layer II	
	Bit Rate	256K	
OS		Linux Fedora 16 (Kernel 3.4) 32-bit/64-bit	
Display		VGA+HDMI+DVI-D (optional)	
Memory		DDR3 1333/1066MHz (Max: 16GB)	
HDD		500GB	
LAN		2 x RJ-45 with Intel® AMT 7.0 support	
USB Port		6 x USB 2.0	2 x USB 2.0
COM Port		2 x RS-232 1 x RS-422/485	
Storage		SATA 6Gb/s or SATA 3Gb/s supported	
Extension HDD Bay		3	1
Video/Audio Capture		Up to eight HDC-502E capture cards	Up to four HDC-502E capture cards
Audio		7.1-channel HD Audio kit with Realtek ALC888 supporting dual audio stream	
Chassis		4U (RACK-3600GB)	2U (RACK-2100GB)
Chassis Dimensions		435.5mm x 431mm x 176mm	576.9mm x 431.0mm x 88mm
Chassis Color		Black	
Humidity		5% to 95% no condensation	

## Ordering Information

Part No.	Description
4U Chassis	HDCS-4U02-S/HC/LF64-R10 4U full-size rackmount chassis with Intel® Xeon® E3, SPCIE-C2060, 8GB DDR3, 500GB HDD, 2 channel SDI inputs/outputs capture solution and ACE-4860AP-R11-RS(600W)/SPXE-14S-R10, Linux Fedora 64bit OS, RoHS
	HDCS-4U16-S/HC/LF64-R10 4U full-size rackmount chassis with Intel® Xeon® E3, SPCIE-C2060, 8GB DDR3, 500GB HDD, 16 channel SDI inputs/outputs capture solution and ACE-4860AP-R11-RS(600W)/SPXE-14S-R10, Linux Fedora 64bit OS, RoHS
2U Chassis	HDCS-2U02-S/HC/LF64-R10 2U full-size rackmount chassis with Intel® Core™ i7-2600, PCIE-Q670, 8GB DDR3, 500GB HDD, 2 channel SDI inputs capture card and ACE-A130B(300W)/PE-6SD-R40, Linux Fedora 64bit OS, RoHS
	HDCS-2U04-S/HC/LF64-R10 2U full-size rackmount chassis with Intel® Core™ i7-2600, PCIE-Q670, 8GB DDR3, 500GB HDD, 4 channel SDI inputs capture card and ACE-A130B(300W)/PE-6SD-R40, Linux Fedora 64bit OS, RoHS
	HDCS-2U06-S/HC/LF64-R10 2U full-size rackmount chassis with Intel® Core™ i7-2600, PCIE-Q670, 8GB DDR3, 500GB HDD, 6 channel SDI inputs capture card and ACE-A130B(300W)/PE-6SD-R40, Linux Fedora 64bit OS, RoHS

Please contact our sales for

- (1) OS Selection: Linux Fedora 32/16-bit and Windows® 7 64/32-bit
- (2) Channel Amount: 2/4/6/8/10/12/14/16 channels
- (3) Other ODM/OEM requirements