HDCS–4U32–H
HDCS–2U12–H

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

New

HDCS-4U32-H Series

HDCS-2U12-H Series

HDC-304E 4CH HDMI 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–4U32–H

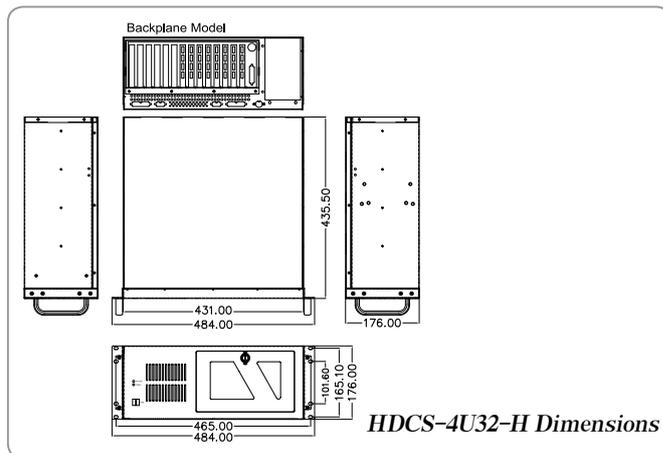3 extension HDD bays for large storage space

32CH HDMI Inputs & 1CH HDMI Outputs

8 x HDC-304E

HDCS–2U12–H

1 extension HDD bay for large storage space

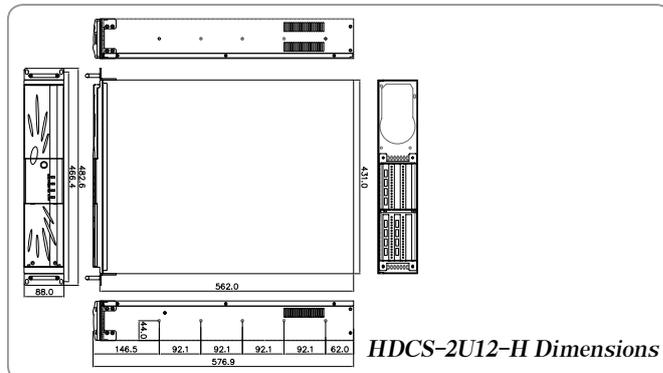12CH HDMI Inputs & 1CH HDMI Outputs

HDC-304E x 3

Dimensions *(Unit: mm)*

Backplane Model

435.50
431.00
484.00
176.00
101.60
165.10
176.00
465.00
484.00

HDCS–4U32–H Dimensions

482.6
466.4
431.0
88.0
562.0
44.0
146.5   92.1   92.1   92.1   92.1   62.0
576.9

HDCS–2U12–H Dimensions

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-4U32-H	HDCS-2U12-H
Input Channel		4/8/12/16/20/24/28/32 channels	4/8/12 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 720x576i50i
	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-304E capture cards	Up to four HDC-304E capture cards
Video/Audio Source Inputs		Up to 32 channels	Up to 12 channels
Video/Audio Outputs		1 channel	1 channel
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-4U04-H/HC/LF64-R10	4U full-size rackmount chassis with Intel® Xeon® E3, SPCIE-C2060, 8GB DDR3, 500GB HDD, 4 channel HDMI inputs capture card and ACE-4860AP-R11-RS(600W)/SPXE-14S-R10, Linux Fedora 64bit OS, RoHS
	HDCS-4U32-H/HC/LF64-R10	4U full-size rackmount chassis with Intel® Xeon® E3, SPCIE-C2060, 8GB DDR3, 500GB HDD, 32 channel HDMI inputs capture card and ACE-4860AP-R11-RS(600W)/SPXE-14S-R10, Linux Fedora 64bit OS, RoHS
2U Chassis	HDCS-2U04-H/HC/LF64-R10	2U full-size rackmount chassis with Intel® Core™ i7-2600, PCIE-Q670, 8GB DDR3, 500GB HDD, 4 channel HDMI inputs capture card and ACE-A130B(300W)/PE-6SD-R40, Linux Fedora 64bit OS, RoHS
	HDCS-2U08-H/HC/LF64-R10	2U full-size rackmount chassis with Intel® Core™ i7-2600, PCIE-Q670, 8GB DDR3, 500GB HDD, 8 channel HDMI inputs capture card and ACE-A130B(300W)/PE-6SD-R40, Linux Fedora 64bit OS, RoHS
	HDCS-2U12-H/HC/LF64-R10	2U full-size rackmount chassis with Intel® Core™ i7-2600, PCIE-Q670, 8GB DDR3, 500GB HDD, 12 channel HDMI 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 16 32bit and Windows® 7 64bit/32bit
(2) Channel Amount: 4/8/12/16/20/24/28/32 CH
(3) Other ODM/OEM requirements