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## DS-C10S-S41-E: Video Wall Controller

### General Information/Key Features

- Fluent video output
- FPGA-based hardware design
- Live view in the roaming window

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**DS-C10S-S41-E**

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## DS-C10S SERIES VIDEO WALL CONTROLLER



### Features and Functions

- A signal source can be displayed on the  $M \times N$  ( $M \geq 1, N \geq 1$ ) display units
- FPGA-based hardware design with high bandwidth for accessing and processing the high-definition signal
- 10 kinds of signal sources are supported, including VGA, DVI, HDMI, BNC, SDI, YPbPr, Ultra HD, HDBaseT, HDTV, DP and IP camera input
- Live view in the roaming window and signal source list
- Fluent video output
- Window spanning for up to 16ch@8.0 MP
- An enhanced network decoding board supports H.264 and H.265 compression standard and can display network signal of 2-ch@8.0 MP, 2-ch@6.0 MP, 2-ch@5.0 MP, 8-ch@1080p, 16-ch@720p and 32-ch@D1 and local video files
- Supports 1/4/9/16 split screen layout
- Up to 6 image layers can be displayed on one screen, including one virtual LED image layer and a background layer
- Adjustable LED font size, background color and moving type
- Up to 16384 × 8192 for background layer's resolution
- Users are able to manage the signal source and video wall via client software
- Provides DVI dual link signal collection card whose input resolution is up to 4088×4088/15 Hz
- A build-in matrix for opening a signal source on several windows at the same time
- Supports HD/3G SDI synchronous output
- Supports cross-window video roaming
- Supports SADP searching active devices
- Resets the administrator password
- Supports adjusting the output to match the virtual output
- The client software is able to manage 16 devices and 4 video walls
- Supports HDTV signal and reverse PTZ control
- Remote control via ipad client software and IE browser
- Supports preview list for signal sources
- Intelligent fan to automatically adjust the fan speed according to the temperature



## Specifications

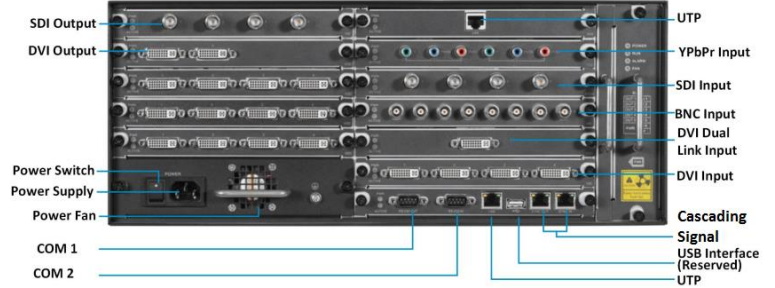
C10S Series				
Module		DS-C10S-S11/E	DS-C10S-S22/E	DS-C10S-S41/E
Hardware	Slot No.	11 (6 × Input, 5 × Output)	22 (12 × input, 10 × output)	41 (23 × input & 18 × output)
Motherboard (DS-C10S-MSU)	Network	1; 10M/100M/1000M self-adaptive Ethernet interface		
	USB	1 × USB 2.0 (Reserved)		
	RS-232	2		
Network Decoding Board (DS-C10S-SI)	Decoding Performance	2-ch@5 MP; 4-ch@1080p; 8-ch@720p; 16-ch@D1		
Enhanced Network Decoding Board (DS-C10S-SI/UH)	Decoding Performance	2-ch@8 MP (low frame rate), 2-ch @6 MP (full frame rate), 2-ch @5 MP (full frame rate), 8-ch @1080p, 16-ch @720p, or 32-ch @D1, supporting H.265		
BNC Input Board (DS-C10S-BI/8)	Input	8 × BNC interface; PAL/NTSC self-adaptive		
VGA Input Board (DS-C10S-VI/2E, DS-C10S-VI/4E)	Input	4/2 × VGA interface		
	RGB Resolution	HD15 interface (DVI-HD15 adaptor is needed.) Resolution: 720p@60 Hz, 1024 × 768@60 Hz, 1024 × 768@75 Hz, 1280 × 1024@60 Hz, 1280 × 1024@75 Hz, 1366 × 768@60 Hz, 1400 × 1050@60 Hz, 1080p@60 Hz, UXGA@60 Hz, 1920 × 1200@60 Hz		
DVI Input Board (DS-C10S-DI/2E, DS-C10S-DI/4E)	Input	4/2 × DVI interface		
	DVI Resolution	720p@50 Hz, 720p@60 Hz, 1024 × 768@60 Hz, 1024 × 768@75 Hz, 1280 × 1024@60 Hz, 1280 × 1024@75 Hz, 1366 × 768@60 Hz, 1400 × 1050@60 Hz, 1080p@50 Hz, 1080p@60 Hz, UXGA@60 Hz, 1920 × 1200@60 Hz		
DVI Dual Link Input Board (DS-C10S-HDI/1)	Digital Signal Input Resolution	2048 × 1536@30 Hz, 2560 × 1440@30 Hz, 2560 × 1600@30 Hz, 2560 × 2048@30 Hz, 2800 × 2100@30 Hz, 3072 × 2304@30 Hz, 840 × 2160@30 Hz, 4088 × 4088@15 Hz		
HDMI Input Board (DS-C10S-HI/4, DS-C10S-HI/2, DS-C10S-HI/E)	Input	4/2 × HDMI interface		
	DVI resolution	DS-C10S-HI/4, DS-C10S-HI/2: 720p@50 Hz, 720p@60 Hz, 1024 × 768@60 Hz, 1024 × 768@75 Hz, 1280 × 1024@60 Hz, 1280 × 1024@75 Hz, 1366 × 768@60 Hz, 1400 × 1050@60 Hz, 1080p@50 Hz, 1080p@60 Hz, UXGA@60 Hz, 1920 × 1200@60 Hz. DS-C10S-HI/E: 1024 × 768@60 Hz, 1024 × 768@75 Hz, 1280 × 720@50 Hz, 1280 × 720@60 Hz, 1280 × 1024@60 Hz, 1280 × 1024@75 Hz, 1366 × 768@60 Hz, 1400 × 1050@60 Hz, 1600 × 1200@60 Hz, 1920 × 1080@50 Hz, 1920 × 1080@60 Hz, 1920 × 1200@60 Hz, 3840 × 2160@30 Hz (3840 × 2160@30 Hz is only supported by No. 1 and 3 interfaces.)		
SDI Input Board (DS-C10S-SDI/4)	Input	4 × SDI interface		
	SDI Digital Signal Input Resolution	720p@25 Hz, 720p@30 Hz, 720p@50 Hz, 720p@60 Hz, 1080p@25 Hz, 1080p@30 Hz, 1080i@50 Hz, 1080i@60 Hz		
YPbPr Input Board (DS-C10S-YI/2)	Input	2 × RCA interface		
	Resolution	480i@60 Hz, 480p@60 Hz, 576i@50 Hz, 576p@50 Hz, 720p@50 Hz, 720p@60 Hz, 1080i@50 Hz, 1080i@60 Hz		

HD TVI Input Board (DS-C10S-TVI/4)	Input	4 × HD TVI interface		
	Resolution	1280 × 720@25 Hz, 1280 × 720@30 Hz, 1280 × 720@50 Hz, 1280 × 720@60 Hz, 1920 × 1080@25 Hz, 1920 × 1080@30 Hz		
DP Input Board (DS-C10S-DPI/4)	Input	4 × DP interface		
	Resolution	1024 × 768@60 Hz, 1024 × 768@75 Hz, 1280 × 720@50 Hz, 1280 × 720@60 Hz, 1280 × 1024@60 Hz, 1280 × 1024@75 Hz, 1366 × 768@60 Hz, 1400 × 1050@60 Hz, 1600 × 1200@60 Hz, 1920 × 1080@50 Hz, 1920 × 1080@60 Hz, 1920 × 1200@60 Hz, 3840 × 2160@30 Hz (3840 × 2160@30 Hz is only supported by No. 1 and 3 interfaces.)		
HDBasetT Input Board (DS-C10S-HDBI/4)	Input	4 × HDBasetT interface		
	Resolution	1024 × 768@60 Hz, 1024 × 768@75 Hz, 1280 × 720@50 Hz, 1280 × 720@60 Hz, 1280 × 1024@60 Hz, 1280 × 1024@75 Hz, 1366 × 768@60 Hz, 1400 × 1050@60 Hz, 1600 × 1200@60 Hz, 1920 × 1080@50 Hz, 1920 × 1080@60 Hz, 1920 × 1200@60 Hz, 3840 × 2160@30 Hz (3840 × 2160@30Hz is only supported by No. 1 and 3 interfaces.)		
VGA Output Board (DS-C10S-VO/4E, DS-C10S-VO/2E)	Output	4/2 × VGA interface		
	RGB Resolution	HD15 interface (DVI-HD15 adaptor is needed.) Resolution: 1024 × 768@60 Hz, 1024 × 768@75 Hz, 1360 × 768@60 Hz, 1080p@60 Hz, 1400×1050@60 Hz, 1920×1200@60 Hz, 720P@60 Hz		
DVI Output Board (DS-C10S-DO/4E, DS-C10S-DO/2E)	Output	4/2 × DVI interface		
	DVI Resolution	1024 × 768@60 Hz, 1024 × 768@75 Hz, 1360 × 768@60 Hz, 1080p@60 Hz, 1400 × 1050@60 Hz, 1920 × 1200@60 Hz, 720p@60 Hz		
HDMI Output Board (DS-C10S-HO/4E, DS-C10S-HO/2E)	Output	4/2 × HDMI interface		
	HDMI Resolution	1024 × 768@60 Hz, 1024 × 768@75 Hz, 1360 × 768@60 Hz, 1400 × 1050@60 Hz, 1920 × 1200@60 Hz, 720p@60 Hz, 1080p@60 Hz		
SDI Output Board (DS-C10S-SDO/4)	Output	4 × SDI interface		
	SDI Resolution	720p@50 Hz, 720p@60 Hz, 1080p@50 Hz, 1080p@60 Hz		
HDBasetT Output Board (DS-C10S-HDBO/4)	Output	4 × RJ45 interface		
	HDBasetT Resolution	1024 × 768@60 Hz, 1024 × 768@75 Hz, 1360 × 768@60 Hz, 1080p@60 Hz, 1400 × 1050@60 Hz, 1920 × 1200@60 Hz, 720p@60 Hz		
Others	Power Supply	100 to 240 VAC, 50/60Hz		
		A build-in power supply	Build-in redundant power supply	
	Consumption	≤ 250 W (full-loaded)	≤ 450 W (full-loaded)	≤ 1000 W (full-loaded)
	Working Temperature	+0° C to +50° C (+32° F to +122° F)		
	Working Humidity	10 to 90% (Non-condensing)		
Chassis	Standard 4U chassis	Standard 8U chassis	Standard 13U chassis	

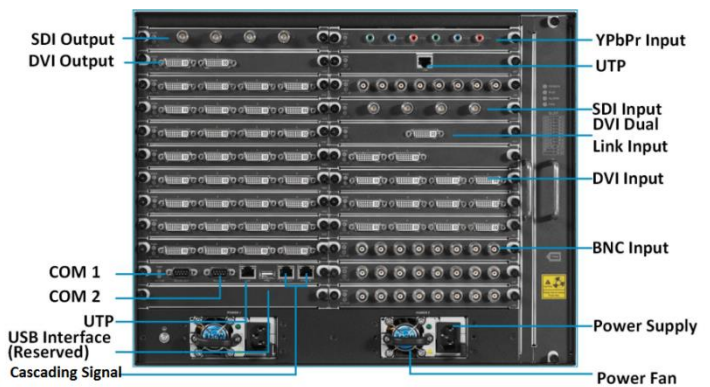
	Dimension (D×H×W)	352 × 177 × 442.4 mm (13.9 × 7 × 17.4 inch)	352 × 354 × 442.4 mm (13.9 × 13.9 × 17.4 inch)	417 × 576.6 × 442.4mm (16.4 × 27.7 × 17.4 inch)
	Weight	≤ 20 kg (full-loaded)	≤ 35 kg (full-loaded)	≤ 50 kg (full-loaded)

# Physical Interfaces

## 4U Chassis

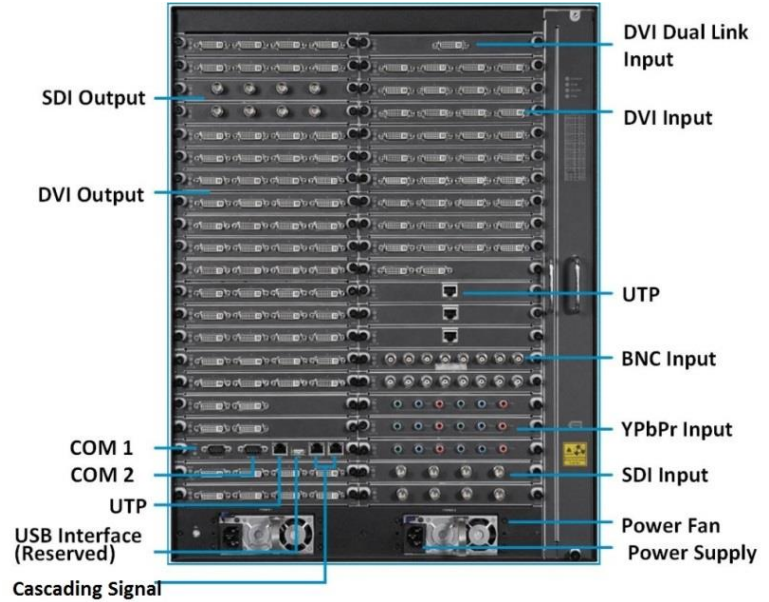


## 8U Chassis



## Physical Interfaces

### 13U Chassis



### Available Models

DS-C10S-S11/E, DS-C10S-S22/E, DS-C10S-S41/E

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