

DS-C10S-SXXT 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.
- Multiple signal sources are supported, including VGA, DVI, HDMI, SDI, YpbPr, DP, HDBaseT. Up to $3840 \times 2160@30$ Hz resolution is supported for HDMI, DP and HDBaseT signal inputs.
- Distributed network signal sources configurable to raise the signal source capacity and transmission distance.
- Live view in the roaming window and live view list.
- Fluent video output without frame extraction to guarantee the lossless output of 60 frames.
- 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.
- Auto sub-stream decoding if the output resolution of decoding window is lower than 640×640 .
- Tile mode available and the video layers can be extended to 8 layers in tile mode.
- Supports 1/4/9/16 window division modes and full-screen switch of the window. (Unavailable for the LED mode)
- The window can be kept sticking on top without being affected by the operations of other windows and kept open without being affected by the scene or plan configuration.
- Up to 6 image layers can be displayed on one screen, including one virtual LED image layer and a background layer.
- The LED background color is adjustable. The resolution of background layer is up to 8192×8192 .
- The tile mode can be saved in the scene.
- Video wall mirror configurable to mirror the content of one video wall area to another area.
- Users have the permission to manage the signal sources and video wall.
- Built-in matrix feature for opening a signal source on several windows simultaneously.
- Matrix protocol of ZT1.0, ZT2.0, Extron, Creator and HIK_CVBS_96P supported and up to 4 matrixes with maximum 512 input channels of each matrix supported.
- Supports crossing-window video roaming. (Unavailable for the tile mode)
- Supports adjusting the output to match the virtual output of client software with real output of controller.
- Up to 16 devices can be managed and up to 5 virtual video walls can be displayed by a client server.
- Remote control via iOS client server, Android client server and IE browser.
- Supports opening windows to display video signal, with the window position and size adjustable.
- Supports SADP searching active IP address and resetting the password of administrator.
- The fan speed of the chassis is self-adaptive to the temperature.



- Supports both the LED screen mode with small pixel pitch and the normal screen mode.
- Self-adaptive to the configured LED resolution.
- Supports custom resolution access of DP, DVI and HDMI signal sources and characters overlap.
- Device running status, sub-board status, and fan status can be checked.
- Supports remote interaction.
- Compatible with wireless projection.
- 4K outputs support joint display.
- Scene switching for local signal sources can be done in seconds without black screens.
- Image lossless collecting, transmitting and displaying without color cast, color bleed and word blur.

Specifications

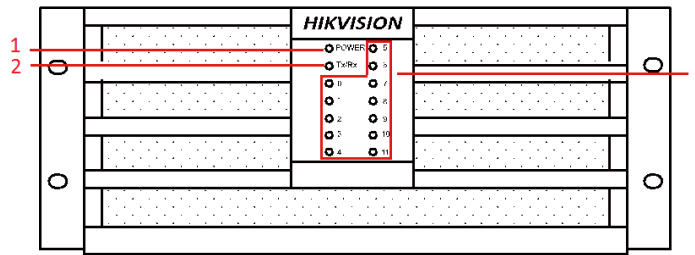
| DS-C10S-SXXT Series | | | | |
|---------------------------------------|---------------------------|--|----------------------------|------------------------------|
| Model | | DS-C10S-S09T | DS-C10S-S11T | DS-C10S-S22T |
| Hardware | Slot Number | 9 (6 × Input, 3 × Output) | 11 (6 × Input, 5 × Output) | 22 (12 × Input, 10 × Output) |
| Motherboard (DS-C10S-MSUT) | Network Interface | 1, 10M/100M/1000M self-adaptive Ethernet interface | | |
| | USB Interface | 1 × USB 2.0 (Reserved) | | |
| | RS-232 Serial Interface | 2 | | |
| | Cascade Network Interface | 2, SYNC OUT/IN (reserved) | | |
| Network Decoding Board (DS-C10S-SIUT) | Decoding Performance | 2-ch@8 MP (low frame rate), 2-ch@6 MP, 2-ch@5 MP, 8-ch@1080p, 16-ch@720p, or 32-ch@D1 | | |
| DVI Input Board (DS-C10S-DI4T) | Interface | 4 × DVI interface | | |
| | DVI Input Resolution | 720P@50Hz, 720P@60Hz, 1080P@50Hz, 1080P@60Hz, 1600 × 1200@60Hz, 1920 × 1200@60Hz | | |
| VGA Input Board (DS-C10S-VI4T) | Interface | 4 × VGA interface | | |
| | RGB Input Resolution | 720P@50Hz, 720P@60Hz, 1080P@50Hz, 1080P@60Hz, 1600 × 1200@60Hz, 1920 × 1200@60Hz  NOTE The VGA to DVI adaptor is required for VGA input. | | |
| HDMI Input Board (DS-C10S-HI4T-HD) | Interface | 4 × HDMI interface | | |
| | HDMI Input Resolution | 720P@50Hz, 720P@60Hz, 1080P@50Hz, 1080P@60Hz | | |

| | | |
|---|--------------------------|--|
| HDMI Input Board (DS-C10S-HI2T-4K) | Interface | 2 × HDMI interface |
| | HDMI Input Resolution | 720P@50Hz, 720P@60Hz, 1080P@50Hz, 1080P@60Hz, 1600 × 1200@60Hz, 1920 × 1200@60Hz, 3840 × 2160@30Hz |
| SDI Input Board (DS-C10S-SDI4T) | Interface | 4 × SDI interface, PAL/NTSC self-adaptive |
| | SDI Input Resolution | 720P@25Hz, 720P@30Hz, 720P@50Hz, 720P@60Hz, 1080P@25Hz, 1080P@30Hz, 1080P@50Hz, 1080P@60Hz |
| YPbPr Input Board (DS-C10S-YI4T) | Input | 4 × YPbPr interface |
| | DVI Input Resolution | 576P@50Hz, 480P@60Hz, 720P@50Hz, 720P@60Hz, 1080P@50Hz, 1080P@60Hz  NOTE The DVI to YPbPr adaptor is required for YPbPr input. |
| DP Input Board (DS-C10S-DPI2T-4K) | Interface | 2 × DP interface |
| | DP Input Resolution | 720P@50Hz, 720P@60Hz, 1080P@50Hz, 1080P@60Hz, 1600 × 1200@60Hz, 1920 × 1200@60Hz, 3840 × 2160@30Hz |
| HDBaseT Input Board (DS-C10S-HDBI4T) | Interface | 4 × HDBaseT interface |
| | HDBaseT Input Resolution | 720P@50Hz, 720P@60Hz, 1080P@50Hz, 1080P@60Hz, 1600 × 1200@60Hz, 1920 × 1200@60Hz, 3840 × 2160@30Hz  NOTE Only No. 1 and 3 interfaces support 3840 × 2160@30Hz. |
| SYNC Box | Interface | 1 × HDMI input interface, 1 × HDMI output interface, 1 × SYNC interface |
| DVI Output Board (DS-C10S-DO4T) | Interface | 4 × DVI interface |
| | DVI Output Resolution | 1360 × 768@60Hz, 1400 × 1050@60Hz, 1280 × 720@60Hz, 1024 × 768@60Hz, 1920 × 1080@60Hz, 1920 × 1200@60Hz |
| VGA Output Board (DS-C10S-VO4T) | Interface | 4 × VGA interface |
| | RGB Output Resolution | 1360 × 768@60Hz, 1400 × 1050@60Hz, 1280 × 720@60Hz, 1024 × 768@60Hz, 1920 × 1080@60Hz  NOTE The DVI to VGA adaptor is required for VGA output. |
| HDMI Output Board (DS-C10S-HO4T) | Interface | 4 × HDMI interface |
| | HDMI Output Resolution | 1360 × 768@60Hz, 1400 × 1050@60Hz, 1280 × 720@60Hz, 1024 × 768@60Hz, 1920 × 1080@60Hz, 1920 × 1200@60Hz, 3840 × 2160@30Hz |
| Others | Power Supply | 100 to 240 VAC, 50/60 Hz |

| | | | |
|--|----------------------------------|---|---|
| | | A build-in power supply | Build-in redundant power supply |
| | Consumption | ≤ 250 W (full-loaded) | ≤ 450 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 |
| | 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) |
| | Weight | ≤ 20 kg (full-loaded) | ≤ 35 kg (full-loaded) |

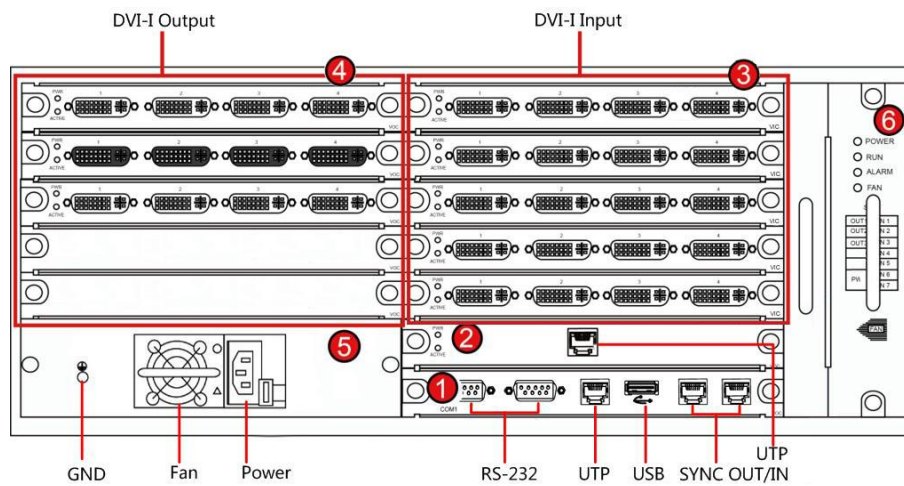
Physical Interfaces

Front Panel (Take the front and rear panel of DS-C10S-S09T as an example.)



| Index | Description | Index | Description |
|-------|-------------------|-------|-----------------|
| 1 | Power Indicator | 3 | Board Indicator |
| 2 | Network Indicator | | |

Rear Panel



Distributed by

| Index | Description | Index | Description |
|-------|---------------------|-------|----------------------|
| 1 | Motherboard | 4 | Signal Output Module |
| 2 | Signal Input Module | 5 | Power |
| 3 | Signal Input Module | 6 | Fan |



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