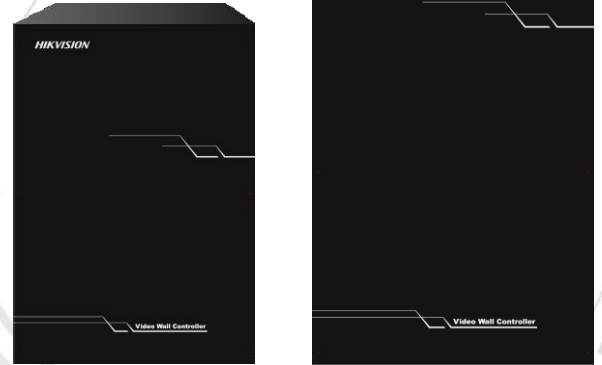


## C10M Series Stitching Controller

DS-C10M series stitching controller is a pure hardware image processing device based on FPGA. It supports multi-channel high-definition signal access and real-time processing. It can display multiple dynamic images on multiple screens to achieve multi-window splicing. Widely used in government, energy, public security, exhibitions and other industries.



### Key Feature

- It adopts full hardware architecture and internal self-built core computing mechanism, which has excellent image processing performance.
- The main modules such as input capture card, output card, switch card, control card and fan are all hot-swappable and flexible, which is convenient for daily use and maintenance.
- Screen display Supports 1/4/9/16 image division
- With (Resolution Real-Time Full Compatibility) technology, a single processor can simultaneously control multiple sets of large screens with different resolutions.
- Support arbitrary roaming, zooming, superimposing, partial zooming, signal cropping, etc.
- Functional characteristics. A signal source can be displayed on the  $M \times N$  ( $M \geq 1, N \geq 1$ ) display units;
- Support for input port editing, greatly improving the compatibility of large-screen display devices, so that the device output signal can adapt to a variety of conventional and non-conventional applications.
- Real-time monitoring of all input signals prevents the operator from displaying the wrong signal on the large screen Support multiple image layers.
- Multiple ultra-high resolution static "point-to-point" base maps can be stored to meet more professional display needs.
- Supports the function of character superimposition on the input signal channel, which is convenient for the user to grasp the source of the signal in real time.
- Support multi-scene save and automatic polling, convenient for fast switching and real-time viewing of important scenes.
- Different users and privilege levels can be set, different allowed operations and restricted operations can be defined, and the technical level restriction management of the operator's privilege can be realized.
- Built-in mainstream large-screen switch control protocol on the market, can be customized to integrate new large-screen switch control protocol according to actual needs.
- Support remote network control, management software can not only manage devices in the LAN, but also remotely manage online devices on the remote network through ip networking.



## Technical Parameter

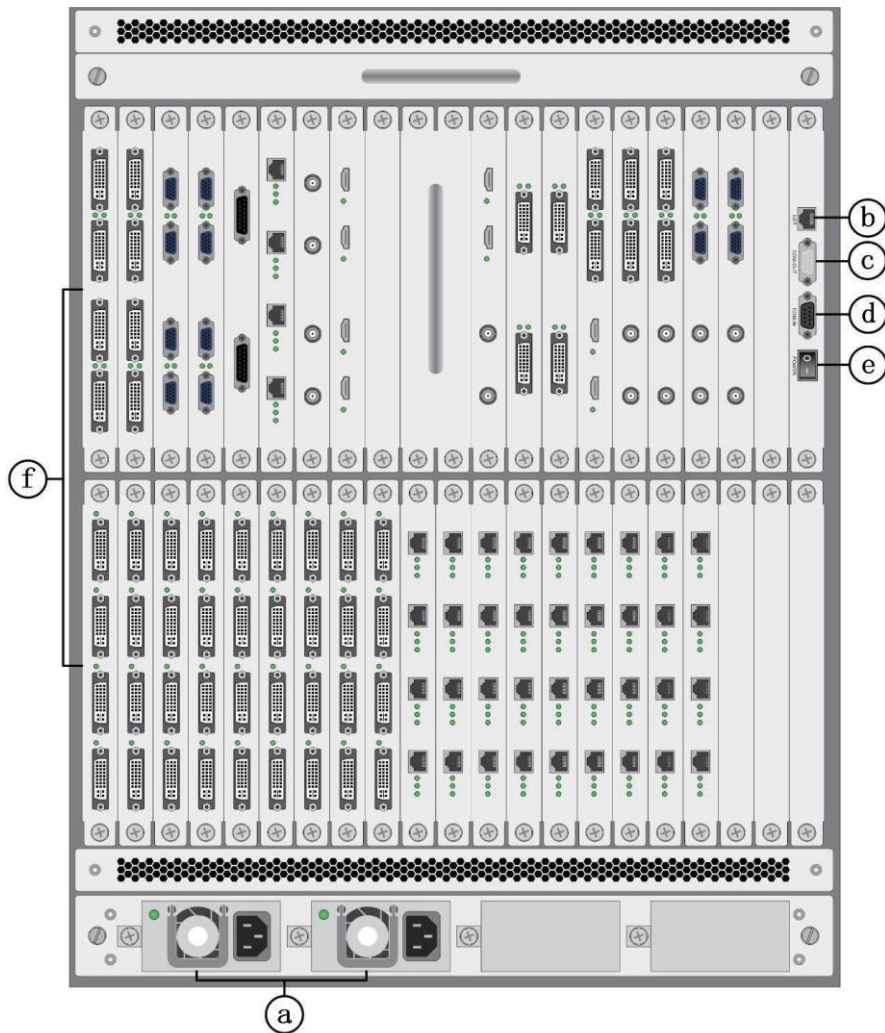
Product Model	Description	Size	Power consumption
DS-C10M-S34	Support input 16 slots, output 18 slots, support redundant power supply, standard 2 power modules	482x620x380(mm)	800W(max)
DS-C10M-S50	Support input 32 slots, output 18 slots, does not support high score acquisition, support redundant power supply, standard 2 power modules	482x880x380(mm)	1000W(max)
DS-C10M-S68	Support input 32 slots, output 36 slots, support 36 high-division acquisition, support redundant power supply, standard 2 power modules	482x1240x380(mm)	1200W(max)

Name	Product type	Product description
DVI Input Card	DS-C10M-DI4	DVI input card, support 4-channel DVI signal input, support HDCP, support EDID online editing, maximum support resolution 1920*1200@60Hz
VGA Input Card	DS-C10M-VI4	VGA input card, support 4-channel VGA signal input, support EDID online editing, maximum support resolution 1920*1200@60Hz
HDMI Input Card	DS-C10M-HI4	HDMI input card, support 4 channels of HDMI signal input, support HDMI1.3, support HDCP, support EDID online editing, maximum support resolution 4K @60Hz
SDI Input Card	DS-C10M-HI2T-4K	HDMI input card, support 2 channels of HDMI signal input, support HDMI1.4, support HDCP, support EDID online editing, maximum support resolution 4K @60Hz
DP Input Card	DS-C10M-DPI2	DisplayPort input card, support 2 channel DVI signal input, support DP 1.1 standard, input resolution is typical 3840x2400@30 or 2560x1600@60, support EDID online editing, support input signal without frame loss processing
DVI Output Card	DS-C10M-DO4	DVI output card, support 4-channel DVI-I signal output, maximum output resolution 1920*1200@60Hz, each output can open 2 windows, can output VGA signal.
HDMI Output Card	DS-C10M-HO4	HDMI output card, support 4 channels of HDMI signal output, maximum output resolution 4K @60Hz
SDI Output Card	DS-C10M-HO2T-4K	HDMI output card, support 2 channels of HDMI signal output, maximum output resolution 4K @60Hz

## Available Model

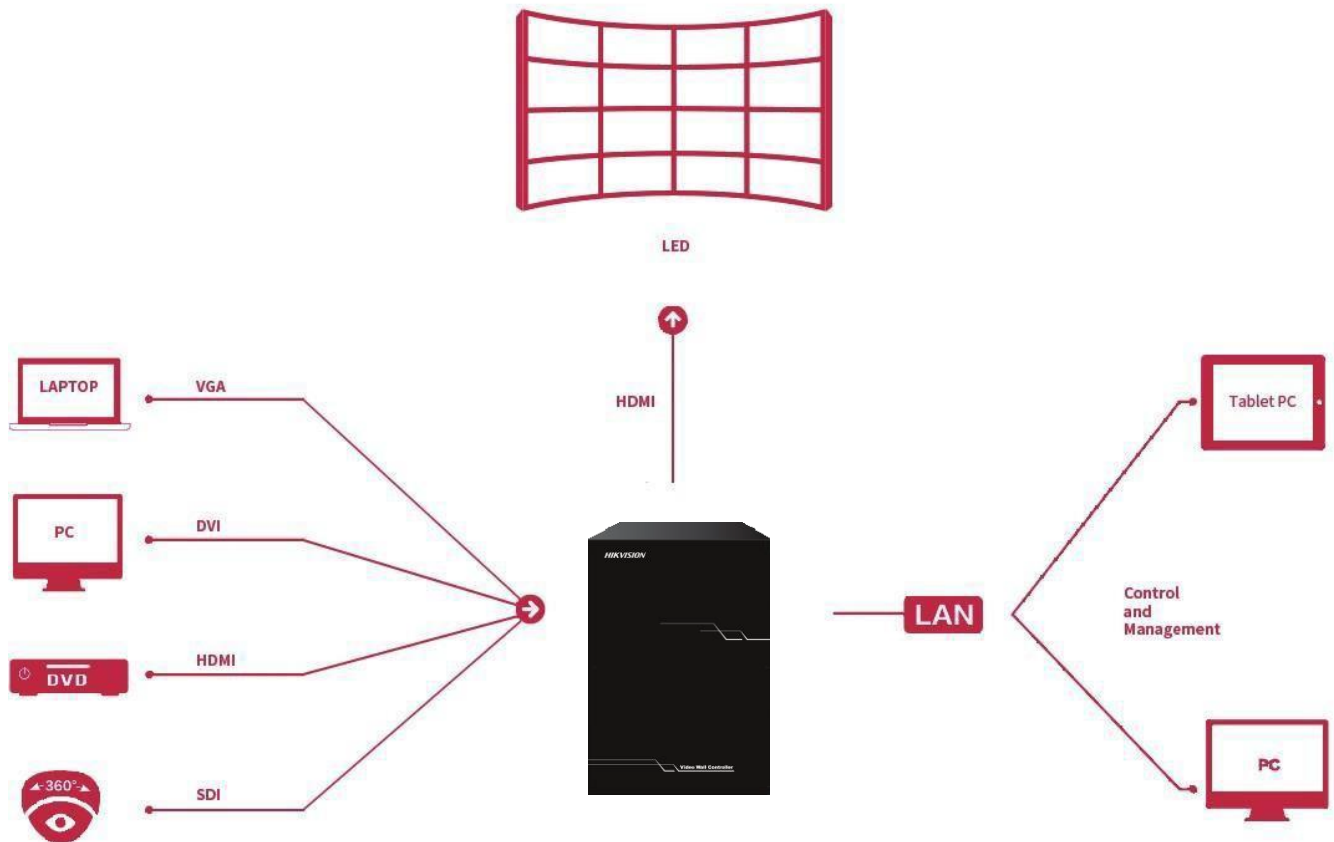
DS-C10M-S34 , DS-C10M-S50 , DS-C10M-S68

Hardware Interface



Serial Number	Interface Type	Interface Description
a	Power input port	Drawer structure, support AC 100~240V/50~60Hz input
b	Network communication interface	Ethernet connection port, dedicated to the host computer
c	RS-232 serial output	Provide 1 independent RS-232 port (db9 public) for connecting PC or central control equipment for centralized control of the system
d	RS-232 serial port input	Provide 1 independent RS-232 port (db9 female) for connecting PC or central control device to centrally control the system
e	i/o switch	Device power on and off switch
f	Input and output card slot	INPUTS--signal input port, OUTPUTS--signal output port.

Product Model



C10M Series Stitching Controller