

Video Wall Controller



Features

Hardware Structure

- 3U 19" Standard industry box
- Support up to 9 video-wall display units, support configuration of 2×2, 2×3, 2×4, 3×3
- Hot-swappable function cards, easy for maintenance

Video Input

- **Local Video:** Support CVBS/VGA/DVI/HDMI/HD-SDI input
- **Network Video:** IPC/DVR/NVR, etc.

Video Output

- 9ch@DVI, support split, merge, splice, roam

Matrix Switch

- Support control of external D1, VGA & DVI video matrix
- Lossless switching with time delay less than 40ms
- Multiple switch control modes : network keyboard, web client & iPad

Network & Control

- Support 10M/100M/1000M for network video decoding & video-wall control
- Support control for matrix, video-wall, dome camera with RS485 & RS232, support mainstream manufacturers' protocol
- Support ONVIF/PSIA/GB28181/DB33/DB41/RTP/RTSP, support mainstream manufacturers' IPC/DVR/NVR such as Honeywell/Tyco/Pelco/Sony/Panasonic/Axis/Dahua/Hikvision/Uniview
- Support user authority management

Specifications

Model	DH-M30	
System Parameter		
Main Processor	TI high performance processor, incorporates ARM core, DSP & hardware video processing accelerating unit	
Operating System	Embedded OS	
Bus	High-performance serial bus	
Slot	2 function card slots	
System Configuration		
Mainframe	2 Power supply, main control card, high-performance serial bus backplane, smart temperature controlled fan	
Video Input Card	2 max	
Case		
DH-M30 (Mainframe)	3U standard 19", 2 slots	
Main Control Interface		
Network	1×RJ45, 10M/100M/1000M	
Serial	3×RS232, for matrix, LCD display, mid-control 2×RS485, for PTZ	
USB	1×USB2.0	
Video Input (Standard Configuration)		
Video	Interface	16@BNC (1.0VP-P, Impedance75Ω)
	Format	PAL/NTSC self-adaptable
VGA	Interface	DVI/VGA
	Format	Max input resolution : 1920×1080@60Hz
Network Video	Interface	RJ45
	Format	1080P/UXGA/720P/960H/D1/2CIF/CIF Support 9@1080P network video decoding at the same time
Video-wall Merge Control		
Splicing	Function	Splice, Zoom, Overlay, Roam, etc.
	Video Source	HD & SD, Digital & Analog in any combination
	Output Interface	9-ch DVI-I
	Control Mode	PC client-end, Network keyboard, iPad
Working Environment & other Physical Parameter		
Power Supply	AC Power :100~120V AC, 200~240V AC	
Power Consumption	≤80W	
Temperature	0°C~ + 50°C	
Working Humidity	10% - 90% 86kpa - 106kpa	
Dimension (mm)	3U standard 19", 482.6(width)×496(depth)×133(height)	

DH-M30

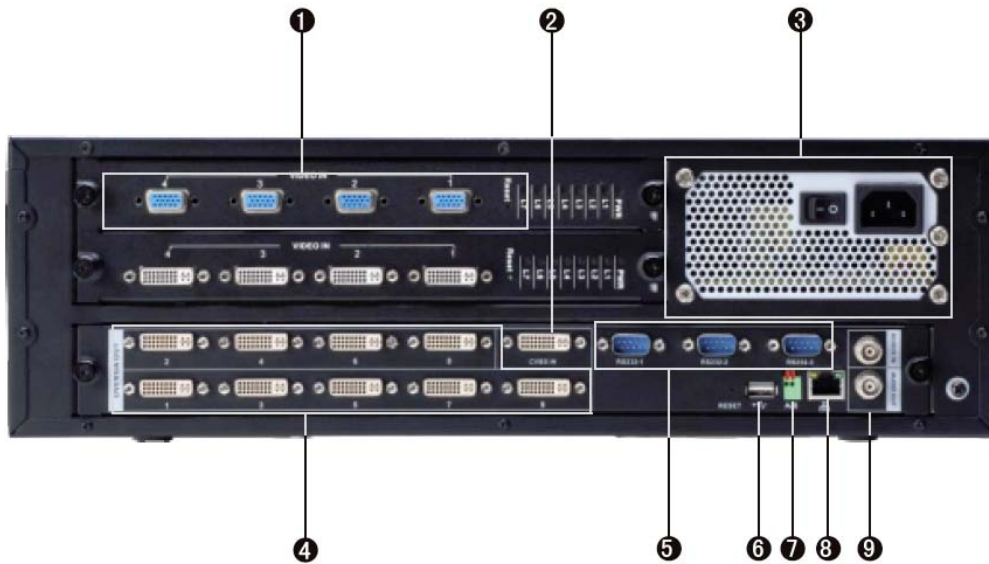


Weight	≤10Kg (full configuration)
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System Diagram



Rear Panel



- ❶ VGA input
- ❷ Analog input
- ❸ Power
- ❹ DVI output
- ❺ RS-232
- ❻ USB
- ❼ RS-485
- ❽ Gigabit network
- ❾ Bidirectional talk

Dahua Technology Co., Ltd.

1187BinAn Road, Binjiang District, Hangzhou, China

Tel: +86-571-87688883

Fax: +86-571-87688815

Email:overseas@dahuatech.com

www.dahuatech.com

*Design and specifications are subject to change without notice.

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