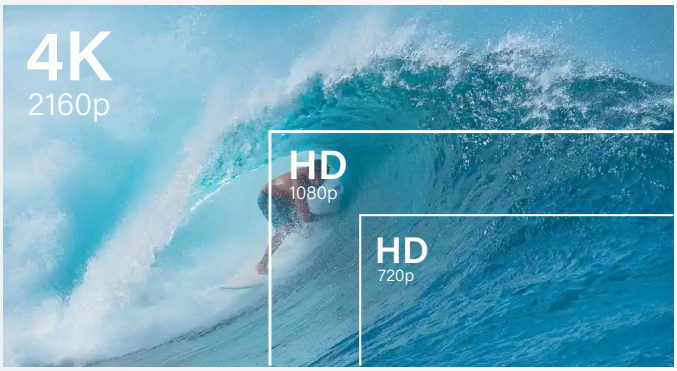
infobit

Modular Video Wall Controllers

iWall M4

The iWall M4 series video wall controller is a high performance seamless switching video processing equipment for LCD and LED wall. Adopting pure-hardware FPGA architecture, it delivers high quality signal images and real-time videos. At the same time, it supports windows arbitrary layout, stretching, scaling, roaming and picture in picture. Furthermore, it employs modular design for personalized combination and future expansion, which is a reliable and flexible product for a video wall up to 76X72 (inputs x outputs) in meeting room, show room, command centre and data centre etc.

iWall M4
FEATURES



4K60Hz 4:4:4 Input Signal

It supports 4K60Hz 4:4:4 Ultra-high definition video signal input to achieve a higher definition video wall.

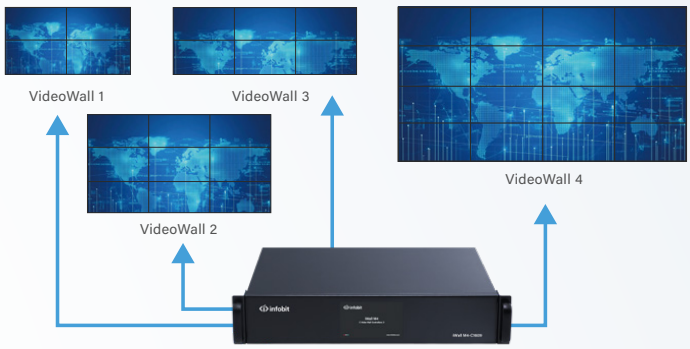
High Resolution Background Image

Supports high-definition background image. The image can be saved in the device and display when signals lost. Without any black or blue screen interruption.

Up to 4 Layers on Each Display

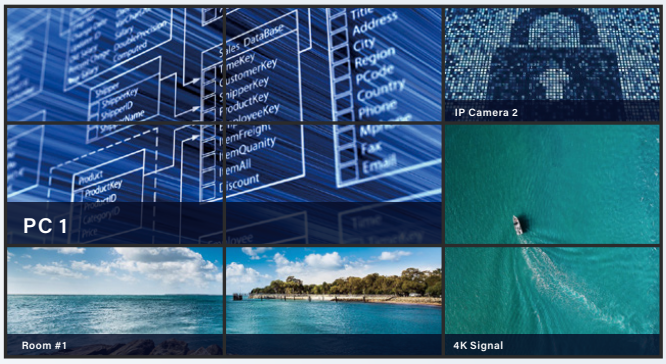
Supports 4 video windows per display, each window is capable for freely stretching, scaling, roaming, overlay and picture-in-picture.

infobit



Multiple Video Wall Groups

Single iWall M4 is capable to manage up to 4x separated video walls. And input signals can be shared and deployed to all video wall groups.



Text Overlay Banner

It allows users to display text banner upon the input sources, which makes it easier to identity and operate the inputs.

Scrolling Text Banner

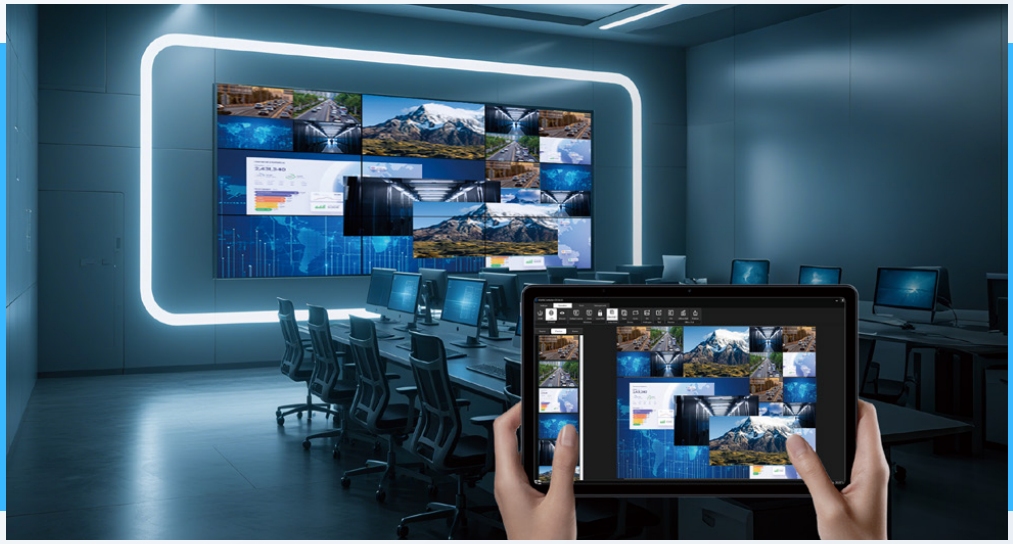
To display notifications or news without installing any hardware or software. Users can set the text fonts, colors, background color and scrolling speed.

IP Streaming Signals Decoding

Supports to decode H.264/ H.265 IP streaming from IP camera and deliver the contents to video wall without the requirement of 3rd party decoders.

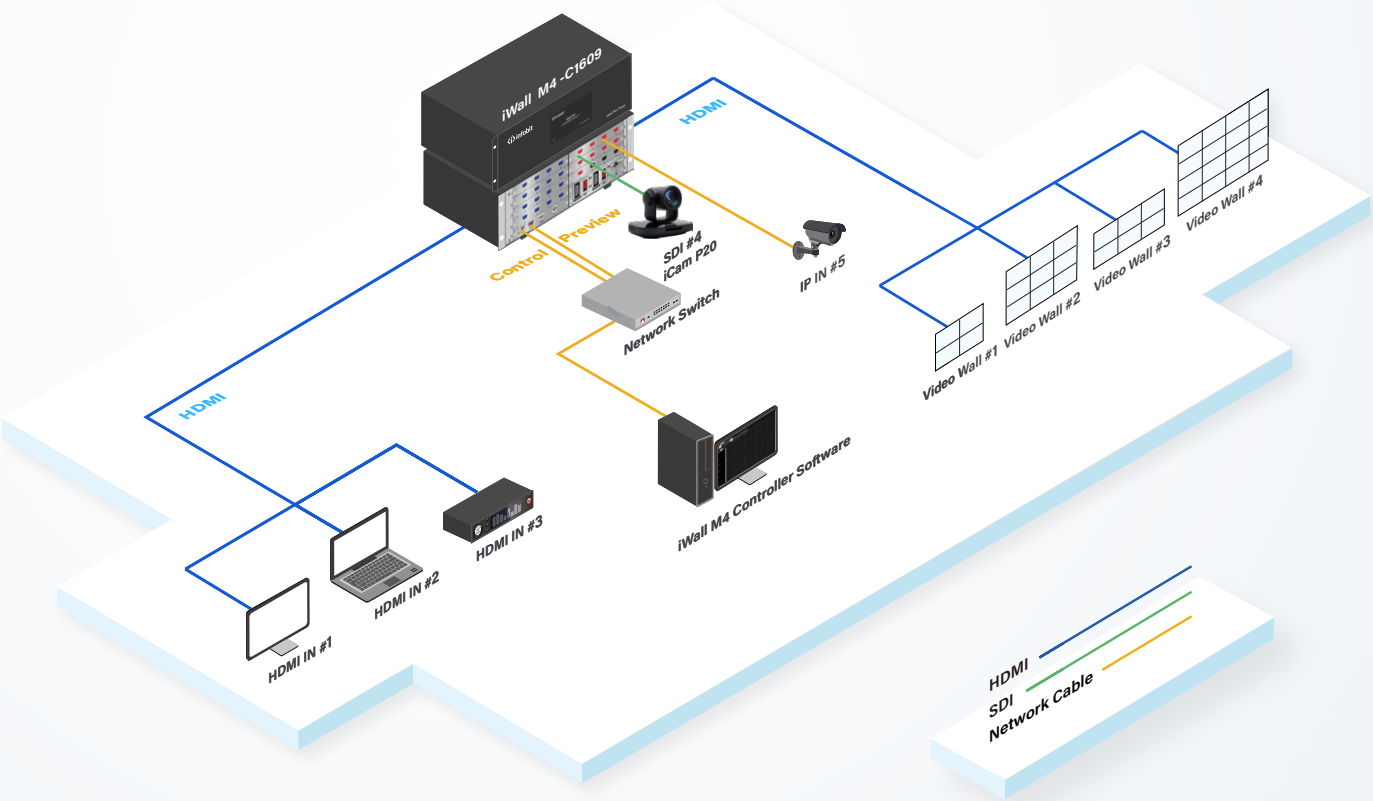
Signal Previewing and Monitoring

It allows operator to view the input source and video wall display in the iWall M4 software and manage displaying through easy drag-and-drop operation.



infobit

DIAGRAM



SPECIFICATIONS

CHASSIS SPECS

Model	iWall M4-C1609	iWall M4-C2420	iWall M4-C3636	iWall M4-C7672
Name	Modular Video Wall Controller	Modular Video Wall Controller	Modular Video Wall Controller	Modular Video Wall Controller
Chassis Size	2.5U	4U	6.5U	11U
Max. Input/ Output Slots	4x Input Slots 3x Output Slots	6x Input Slots 5x Output Slots	9x Input Slots 9x Output Slots	19x Input Slots 18x Output Slots
Max. HD Input/ Output ports	16x9	24x20	36x36	76x72
Input Ports Type	HDMI/ DVI/SDI /DisplayPort/IP	HDMI/ DVI/SDI /DisplayPort/IP	HDMI/ DVI/SDI /DisplayPort/IP	HDMI/ DVI/SDI /DisplayPort/IP
Output Ports Type	HDMI/ DVI	HDMI/ DVI	HDMI/ DVI	HDMI/ DVI
Input Resolution	1920 x 1200 60Hz 4096 x 2160 60Hz	1920 x 1200 60Hz 4096 x 2160 60Hz	1920 x 1200 60Hz 4096 x 2160 60Hz	1920 x 1200 60Hz 4096 x 2160 60Hz
Output Resolution	1920 x 1200 60Hz	1920 x 1200 60Hz	1920 x 1200 60Hz	1920 x 1200 60Hz
Video Layers per Display	Max. 4 video windows on each display	Max. 4 video windows on each display	Max. 4 video windows on each display	Max. 4 video windows on each display
Power Consumption	100W	150W	200W	350W
Power Supply	100-240V, 50/60Hz	100-240V, 50/60Hz	100-240V, 50/60Hz	100-240V, 50/60Hz
Operating Temperature	-20 to +70 ℃	-20 to +70 ℃	-20 to +70 ℃	-20 to +70 ℃
Humidity	10%- 90%	10%- 90%	10%- 90%	10%- 90%
Control Methods	Front touch screen RS232; LAN, Web GUI	Front touch screen RS232; LAN, Web GUI	Front touch screen RS232; LAN, Web GUI	Front touch screen RS232; LAN, Web GUI
PSUs(Default)	2	2	2	4
Product Dimension	440 x 350 x 112 mm	440 x 350 x 178 mm	440 x 400 x 290 mm	440 x 400 x 490 mm
Net Weight	10kg	13kg	22kg	34kg
Package Dimension	590 x 510 x 225 mm	590 x 510 x 310 mm	592 x 510 x 450 mm	610 x 580 x 690 mm
Gross Weight	13kg	16kg	26kg	41kg

CARDS SPECS

Type	Model	Name	Port Type	Ports Qty.	Resolution	Net Weight	Gross Weight	Product Dimension	Package Dimension
INPUT Cards	iWall M4-IN-4HDMI	4 channels 1080P HDMI input card	HDMI	4	Up to 1920x1200/60Hz	0.26 kg	0.38 kg	213x168mm	247x220x50mm
	iWall M4-IN-4DVI	4 channels DVI input card	DVI	4	Up to 1920x1200/60Hz	0.26 kg	0.38 kg	213x168mm	247x220x50mm
	iWall M4-IN-1HDMI4K	1 channel 4K60 HDMI or DP input card	HDMI/ DP	1	Up to 3840x2160/60Hz	0.24 kg	0.36 kg	213x168mm	247x220x50mm
	iWall M4-IN-2HDMI4K	2 channels 4K30 HDMI or DP input card	HDMI/ DP	2	Up to 3840x2160/30Hz	0.26 kg	0.38 kg	213x168mm	247x220x50mm
	iWall M4-IN-2IP	2 channels IP Streaming input card	RJ45	2	Up to 3840x2160/30Hz	0.24 kg	0.36 kg	213x168mm	247x220x50mm
	iWall M4-IN-4SDI	4 channels 3G-SDI input card	3G-SDI	4	Up to 1920x1200/60Hz	0.36 kg	0.48 kg	213x168mm	247x220x50mm
OUTPUT Cards	iWall M4-OT-4HDMI	4 channels 1080P HDMI output card	HDMI	4	Up to 1920x1080/60Hz	0.28 kg	0.4 kg	213x168mm	247x220x50mm
	iWall M4-OT-4DVI	4 channels 1080P DVI output card	DVI	4	Up to 1920x1080/60Hz	0.30 kg	0.42 kg	213x168mm	247x220x50mm
Preview Card	iWall M4-PV-IP	1 channel IP Preview card	RJ45	1	Up to 1920x1080/60Hz	0.24 kg	0.36 kg	213x168mm	247x220x50mm
Control Card	iWall M4-CTL	Control card with Network control, RS232 IN, RS232 OUT and Web Control	RJ45, RS232			0.34 kg	0.46 kg	213x168mm	247x220x50mm
Power Supply	iWall M4-PSU	Redudant Power Supply Unit							