

4K Decoding Display Stitch

Matrix Video System



Product overview

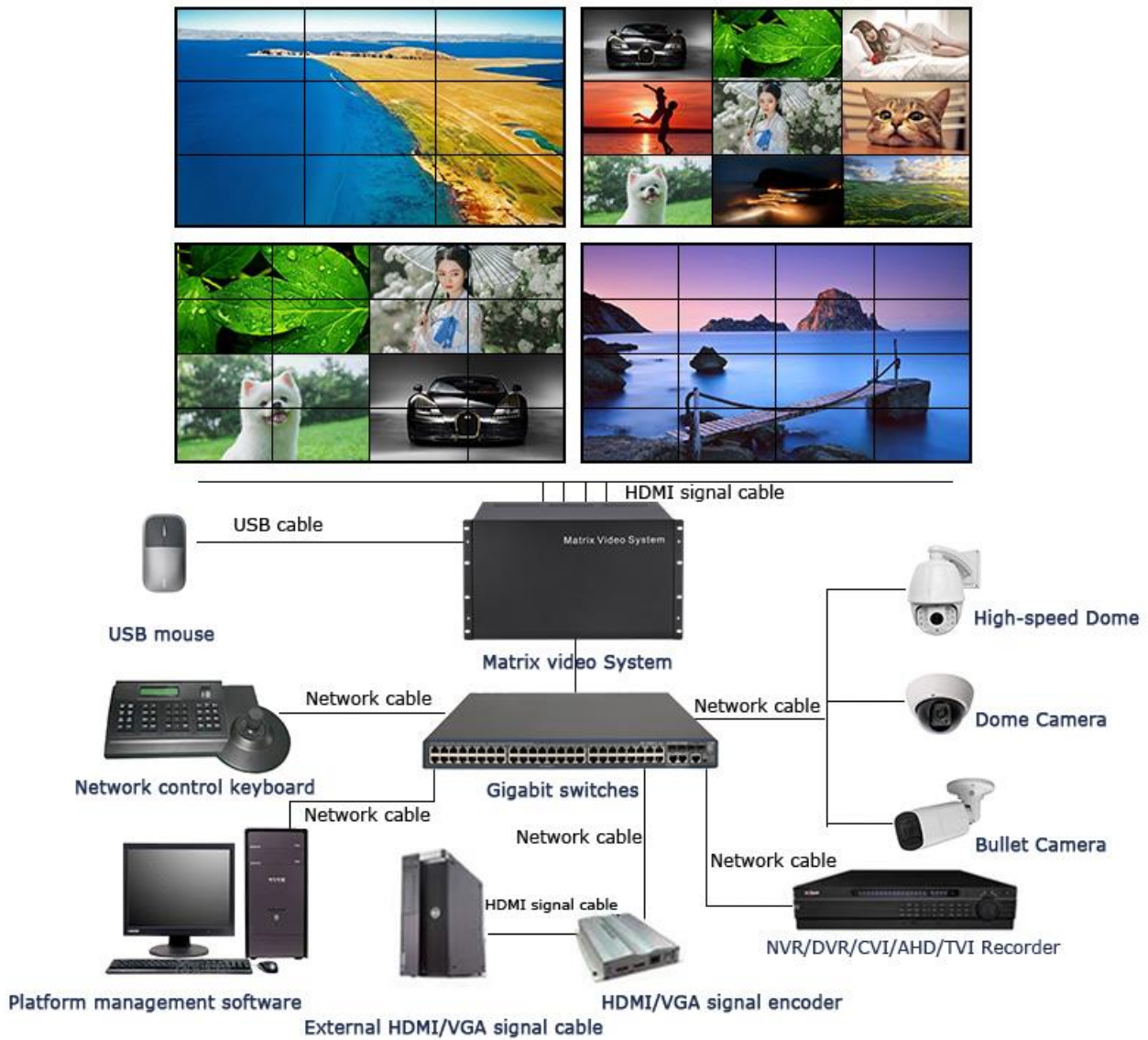
Model No.	Matrix video System
Decoding format	H.264/H.265
Decoding performance	9MP and below pixels
Video output range	1 screen - 144 screen
Maximum number of screen splits per screen	16 CH D1
Video output interface	HDMI
Audio output interface	3.5MM HEADPHONE JACK(optional)
Video output resolution	1366*768 / 1280*1024 / 1920*1080 / 3840*2160
Single-screen (card) decoding	1CH 8MP / 4CH 3MP / 9CH 2MP / 16CH D1
Access to off-site network video	The local access bandwidth is 1000 megabytes, and each remote terminal needs to be configured with an IPG5 intelligent gateway
Characteristic	With network stitching function, Is no need to dock professional splicing screen control protocol, Generally, TVs or monitors with HDMI interfaces can be spliced, Signals can be windowed, superimposed, stretched, roamed, spunned, zoomed, or displayed in picture-in-picture per screen anywhere on the screen

Detailed parameters

Model	8MP-16D4	8MP-16D6	8MP-16D8	8MP-16D9
HDMI output	4	6	8	9
Model	8MP-16D12	8MP-16D16	8MP-16D10	8MP-16D15
HDMI output	12	16	10	15
Output resolution	3840*2160@30Hz / 1920*1080@60Hz / 50Hz / 1366*768@60Hz			
Decode				
Number of connected network cameras	1000 network cameras with 8MP and below			
Decoding (single card)	1 screen = 8MP and below pixels; 4 screen = 3MP and below pixels 9 screen = 2MP and below pixels; 16 screen = D1 and below pixels			
External interface				

Network interface	1 RJ45 100M/1000MBPS adaptive Ethernet port
USB interface	1
Other	
Online upgrade	Network online upgrade through management platform software or upgrade tools
Displays the responsiveness	Switching from camera A to camera B shows a speed of less than 1S
Control responsiveness	1S
Power supply	220V
Power consumption	≤160W
Chassis volume	STANDARD 4U CHASSIS: 430*300*178MM
Package volume	600*415*280
Packaging gross weight	8.5KG
Operating temperature	-10°C-55°C
Operating humidity	10%-90%

Matrix video System installation topology diagram



Arbitrary stitching, screen splitting

Support multi-mode splicing, flexible window opening, wheel switching, multi-screen segmentation, etc



Full-screen stitching



Multi-picture stitching



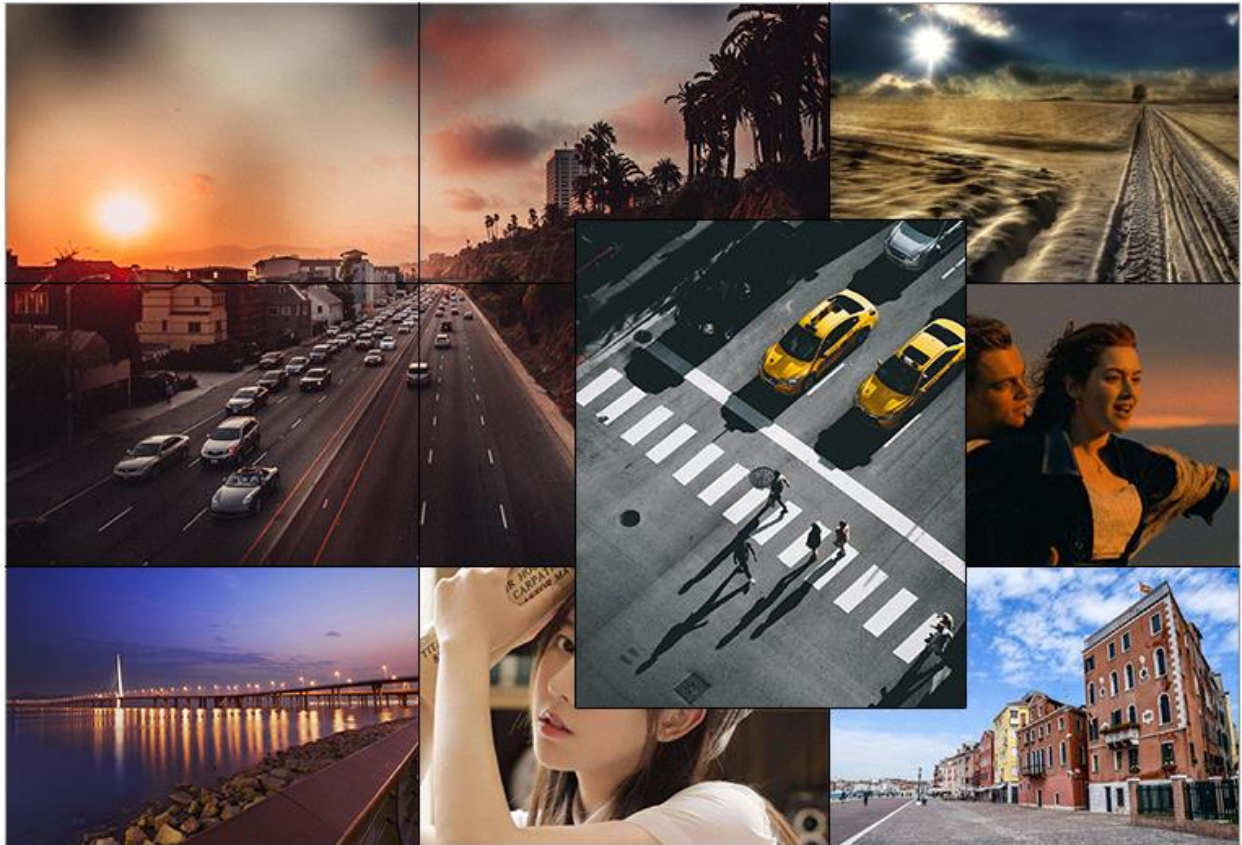
Stitch arbitrarily



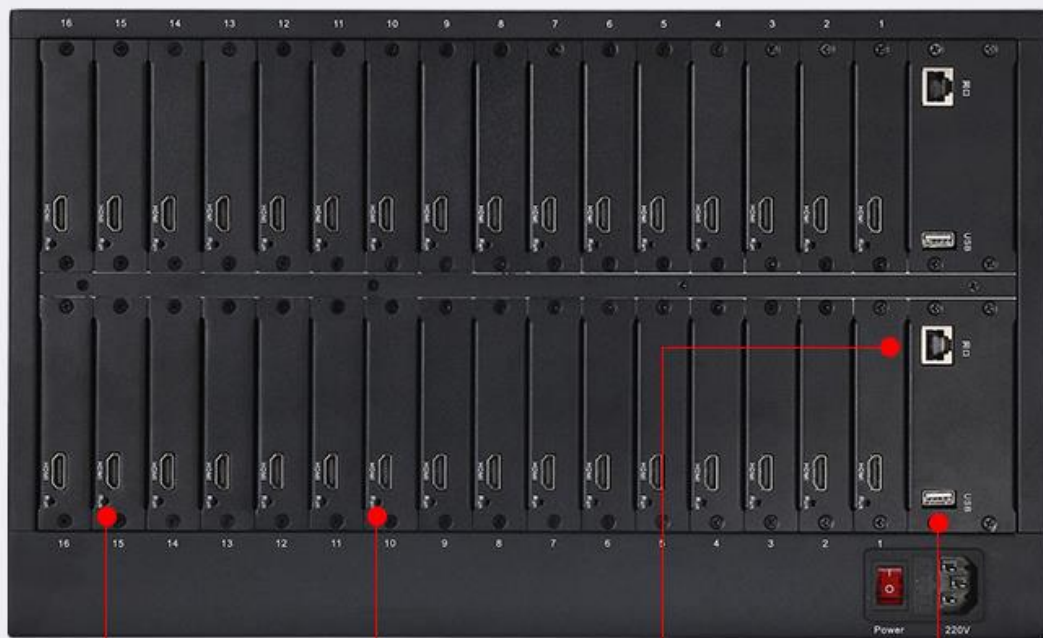
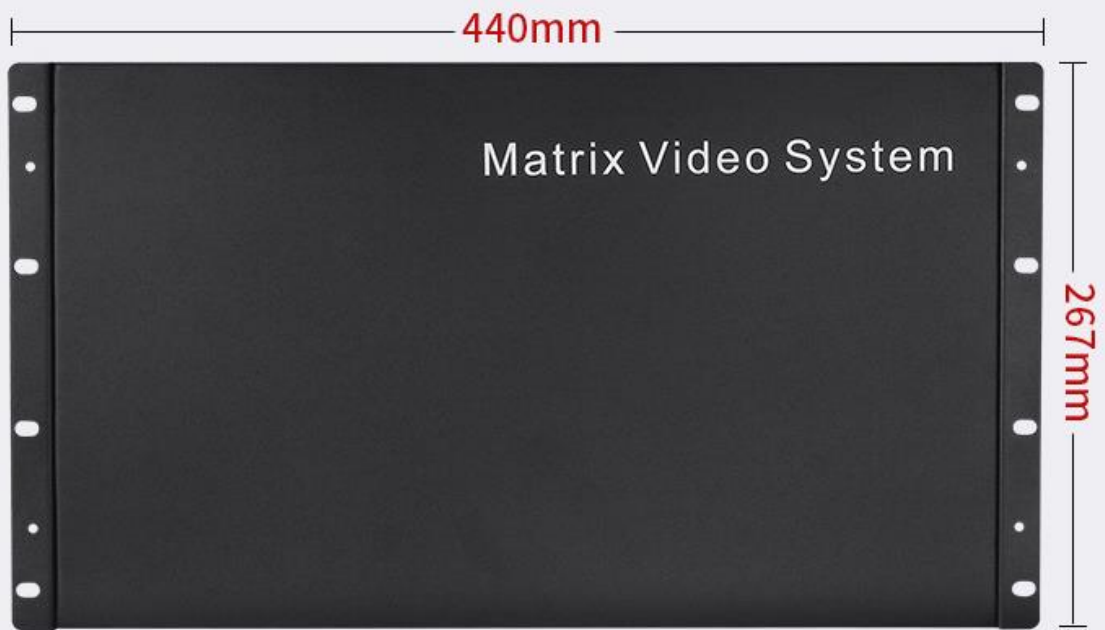
Full-screen stitching

Open windows to roam, split, stitch

Support a window roaming within 2MP free scaling, drag-and-drop zoom in, single screen support 1/4/9/16 screen free division, support free splicing



Product interface description



HDMI interface

Status lights

Network interface

USB mouse interface