

Main Functions:

- 19" standard 4U ATCA industry box
- High speed passive rear panel design, reliable and stable
- Easy and flexible configuration with pluggable card module design
- 160ch@1080P or 640ch@D1 signal decoding (full configured)
- 10 service card slots, every slot supports various service card
- Redundant power optional and smart temperature controlled fan
- FPGA array framework, built in ultrahigh bandwidth switch
- matrix, high image processing capacity, flexible data exchange
- Intel X86 main control chip inside, ultrahigh data processing capacity and good extensibility
- PCI-E bus, high system bandwidth
- Support analog/digital video signals input and matrix output
- Support non-compressed digital signal encoding output
- 2 RJ-45 gigabit network ports for matrix control, preview
- Remote cast analog/digital video onto the video-wall
- Remote reboot/upgrade/default setting and etc operations



Technical Specification

System Parameter		Video Input		
Image Sensor	Intel X86 Baytrail microprocessor	HDMI	Interface	4ch HDMI1.3 support HDCP
Operating System	Embedded LINUX		Access Capability	4ch@1080P, support resolution: 1080P/720P/UXGA/SXGA+/SXGA/XGA/SVGA/VGA
Bus	PCI-E	CVBS	Interface	2ch DVI-D, 2 BNC interface braided lines which is 16 in 1
Slot	12(2 Main Control Board Slot, 10 Video and Audio Function Board)		Signal Format	PAL
Mainframe	Power module (redundant power optional), main control board, control board, PCI-E bus rear panel, smart temperature controlled fan		Access Capability	32ch@960H or D1
Video Input Card	Max. 10	Network		
Video Output Card	Max. 10	Interface		
Video Input		2 RJ-45 ports (10/100/1000M)		
HDMI	Interface	2ch HDMI1.4 support HDCP		
	Access Capability	2ch@4K		

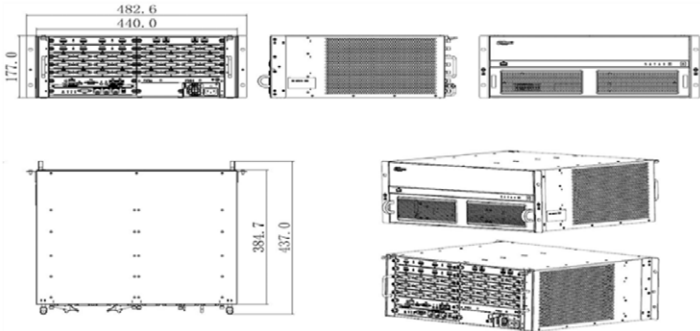


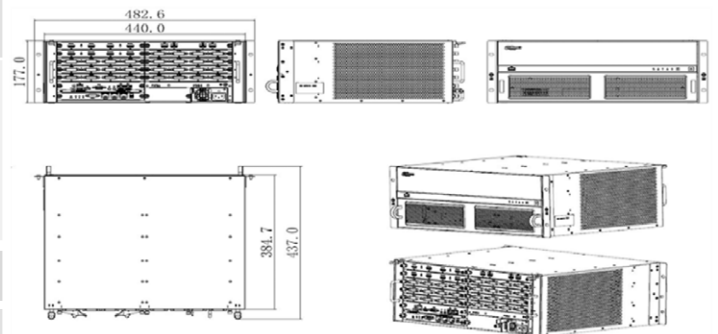
Multi-screen Controller

Model : IBGDH8111-7X

Technical Specification

Video Input			System Parameter		
Network Video	Transfer Protocol	TCP/UDP/RTP/R TSP/RTCP	Video Input	Analog Camera, Digital Camera, IPC, DVR, NVR, NVS and etc.	
	Support Device	IPC, DVR, NVR, NVS	IP HD Matrix Switch	1024 IP input, 160ch@1080p, 320ch@720p, 640ch@D1	
	Video Resolution	4K/1080P/UXGA /720P/D1/ HD1/2CIF/CIF/Q CIF	Video-Wall		
Video Output (Without decoding)			Video Wall Splicing	Splicing	Support videowall splicing (max 80 LCD display units)
				Video-Wall	Support Splicing Zoom/Merge/ Roam/Overlay
Input Source	HD/SD, Digital/Analog (support hybrid input)				
Output Port	HDMI, DVI-D				
Control Mode	PC client/Local GUI/Network Keyboard/iPad				
HDMI			Environmental		
HDMI	Interface	4ch HDMI1.3	Power Supply		115V~230V, 47Hz~63Hz(Redundant power optional)
	Split	Max 32 layers	Power Consumption		90W(Minimum system)/360W(Full configuration)
HDMI	Interface	8ch HDMI1.3	Working Environment		-10°C ~+55°C (14 °F to 131 °F) / 10~90%RH / 86~106kpa
	Split	Max 32 layers	Dimension		4U, 482.6 × 437 × 177 mm (19 × 17.2 ×6.97 inch),(W*D*H)
DVI	Interface	4ch DVI-D	Weight		≤20Kg (44.09 lb)(full configured)
	Split	Max 32 layers			
3G-SDI	Interface	4ch BNC			
	Split	Max 32 layers			
HD-SDI	Interface	8ch BNC			
	Split	Max 32 layers			
Video Decoding Output					
HDMI	Interface	4ch HDMI1.4			
	Split	1/4/9/16/32, free split			
	Decoding Capability	2ch@12Mp(25fps)/4 ch@4K/16ch @1080P/32ch@720P /64ch@D1, supporting H.265			
	Resolution	3840*2160@30fps, 1920*1080@60fps, 1280*1024@60fps, 1280*720@60fps, 1024*768@60fps			
Interface					
USB	3 USB2.0, 1 USB3.0				





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