D Series Class 8K Image Processor



RGBlink®

First 8K Image Processor

8K UHD Signal input

Open API

HDMI 2.1 and DisplayPort 1.4

Built-in 4-inch LCD screen

8K EDID management

RGBlink D series presentation processors have long offered industry leading performance, image quality & technical excellence, having build a strong reputation across demanding broadcasting and presentation environments.

Introducing D8, the first 8K native video processor and the newest addition the D series range of performance processors.

Being 8K processor, D8 truly puts image quality first and continues to built on RGBlink visual processing excellence experience, embracing leading edge industry standards.

Connect 8K input sources up to UHD (7680x4320) with refresh rates at 30Hz offering full 4:4:4 color space and 60 Hz at 4:2:0 color space.

Custom resolutions and frame rates are configurable with D8 uniquely capable of dynamic reconfiguration. D8 also includes 8K EDID management.

Available in two variants, supporting the specific workflow of either an HDMI 2.1 or DisplayPort 1.4 video media source, both D8 models have quad HDMI 2.0 outputs that may be configured to deliver fully synced split video to downstream devices.

Outputs are independently fully configurable allowing a range of applications beyond split & stitch. Preset output configurations are built-in too for quick access to common layout arrangements.

The D8 front panel features a 4in touch screen which allows quick view of active port connections as well as real-time control of all features.

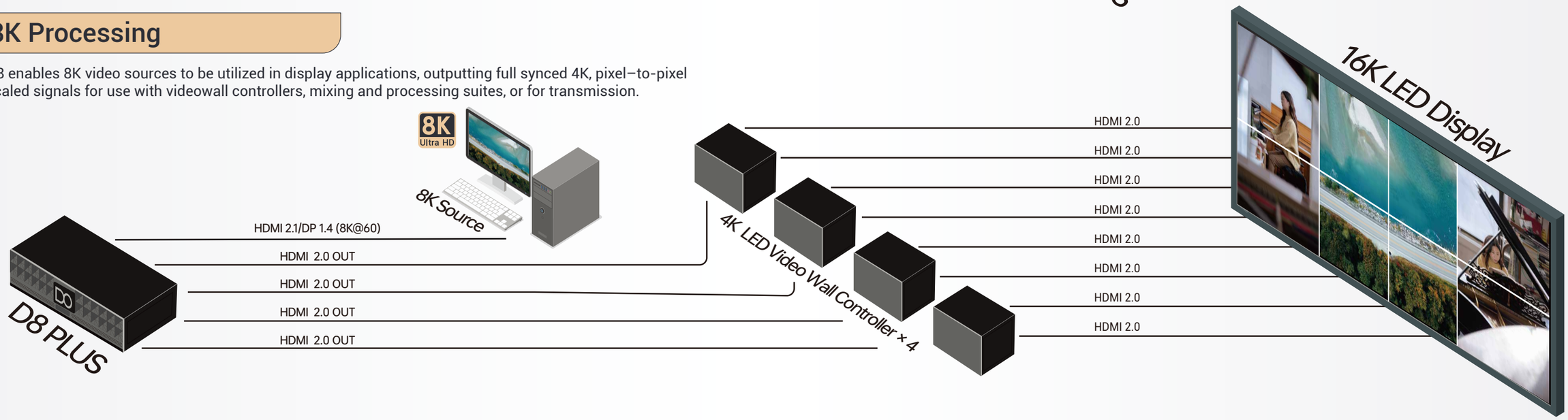
8K Sources & Management

Connect either HDMI 2.1 or Display 1.4 sources up to 8K 60Hz. Take advantage of 8K EDID management on board D8 for ease of connection to specific sources and characteristics.



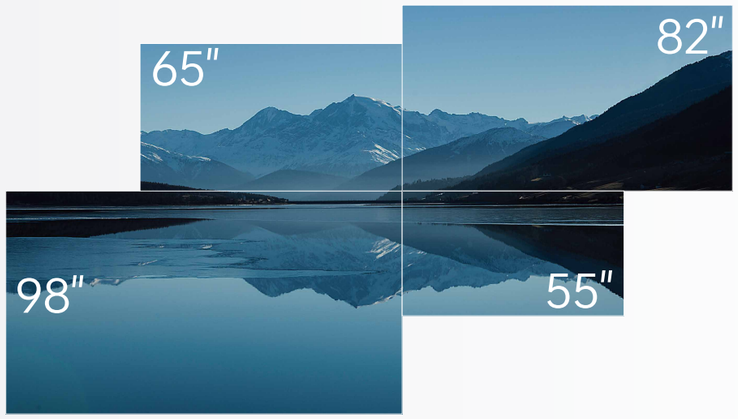
8K Processing

D8 enables 8K video sources to be utilized in display applications, outputting full synced 4K, pixel–to-pixel scaled signals for use with videowall controllers, mixing and processing suites, or for transmission.



Custom Display Layouts

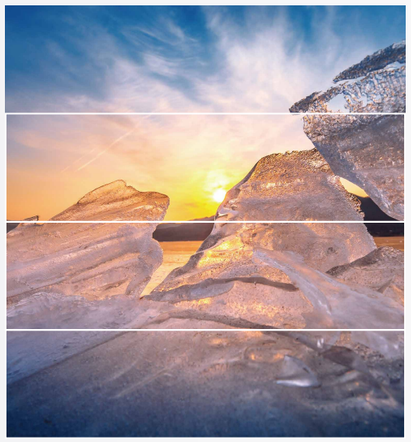
Take advantage of presets or customized arrangements, with D8 processing the 8K source, allowing the scaling to be offloaded from the 8K media compute platform for increased system performance.



8K unequal splicing



8K equal split stitching



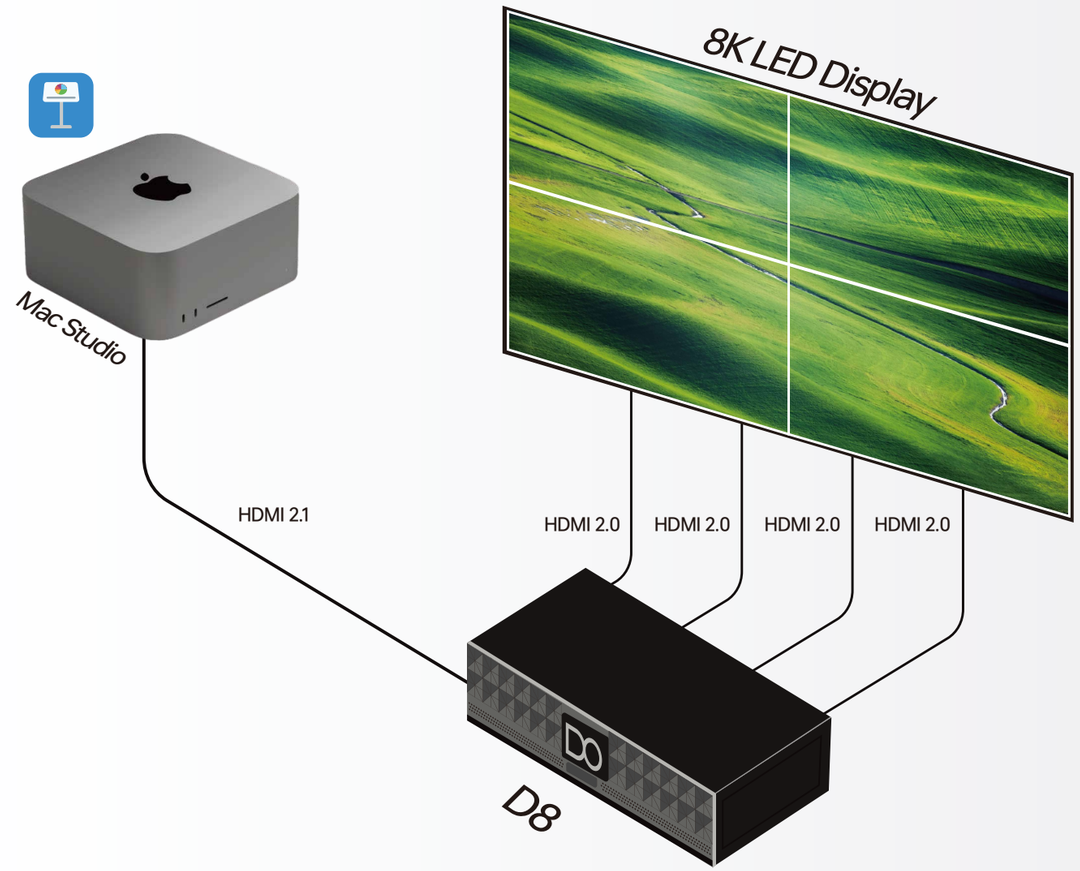
8K vertical four-split splicing



8K horizontal unequal splicing

8K Decoding & Display

Bring 8K video to 8K HDMI 2.0 displays and video walls.



8K Ultra HD

Specification

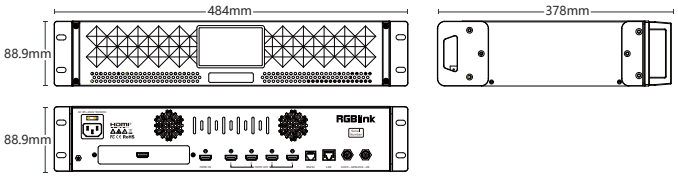
Model		D8		D8 PLUS	
Connectors	Input	HDMI 2.1	2×HDMI-A	HDMI 2.1	1×HDMI-A
				DP 1.4	1×DP
	Output	HDMI 2.0	4×HDMI-A	HDMI 2.0	4×HDMI-A
	Communication	Genlock	2×BNC (1×IN | 1×LOOP)	Genlock	2×BNC (1×IN | 1×LOOP)
		LAN	1×RJ45	LAN	1×RJ45
		RS232	1×RJ11	RS232	1×RJ11
	Power	1×IEC		1×IEC	
Performance	Input Resolutions	Automatic recognition			
		HDMI 2.1			
		SMPTE	1280x720@50/60 | 1920x1080@30/50/60 | 3840x2160@25/30 | 7680x4320@30/60		
		VESA	1024×768@60 | 1280×800@60 | 1280×1024@60 | 1360×768@60 | 1366×768@60 | 1440×900@60 | 1920×1200@60		
			2560×1440@60 | 2560×1600@60/120 | 3840×2160@30/60/120 | 4096×2160@50/59/60 | 7680×4320@30/60 | custom resolution		
		DP 1.4			
		SMPTE	1280x720@50/60 | 1920x108030/50/60 | 3840x2160@25/30 | 7680x4320@30/60		
		VESA	1024×768@60 | 1280×800@60 | 1280×1024@60 | 1360×768@60 | 1366×768@60 | 1440×900@60 | 1920×1200@60		
			2560×1440@60 | 2560×1600@60/120 | 3840×2160@30/60/120| 4096×2160@50/59/60 | 7680×4320@30/60 | custom resolution		
	Output Resolution	Select standard resolution or custom resolution			
		HDMI 2.0			
		SMPTE	1280x720@50/60 | 1920x1080@30/50/60 | 3840x2160@30/60		
		VESA	1280x720@23.98/24/25/29.97/30/50/59.94/60 | 1920x1080@23.98/24/25/29.97/30/50/59.94/60/120 | 1920×2160@120		
			3840x2160@23.98/24/25/29.97/30/50/59.94/60 | 4096x2160@23.98/24/25/29.97/30/50/59.94/60 | custom resolution		
	Supported Standard	HDMI	2.1		
		DP	1.4		
	Colorspace	HDMI 2.1 Input	YUV	RGB	
		8K60	4:2:0 8/10/12 bit	—	
		8K30	4:2:0 8/10/12 bit| 4:2:2 8/10/12 bit | 4:4:4 8/10 bit	8/10 bit	
		4K60	4:2:0 | 4:2:2 | 4:4:4 8/10/12 bit	8/10/12 bit	
		4K30	4:2:0 | 4:2:2 | 4:4:4 8/10/12 bit	8/10/12 bit	
		HDMI 2.0 Output	YUV	RGB	
		4K60	—	8 bit	
		4K30	—	8/10/12 bit	
		DP 1.4 Input	YUV	RGB	
		8K60	4:2:0 8 bit | 4:2:2 8/10 bit | 4:4:4 8/10/12 bit	8/10/12 bit	
		8K30	4:2:0 | 4:2:2 | 4:4:4 8/10/12 bit	8/10/12 bit	
		4K60	4:2:0 | 4:2:2 | 4:4:4 8/10/12 bit	8/10/12 bit	
		4K30	4:2:0 | 4:2:2 | 4:4:4 8/10/12 bit	8/10/12 bit	
GPU/Platform	macOS	Mac Studio, M2 Max, Sonoma 15.5, HDMI2.1 / Thunderbolt 5			
	Windows	AMD RADEON RX7900 XT,HDMI2.1 / DP 1.4			
	Windows	Nvidia RTX4060,HDMI2.1 / DP 1.4			
Power	Input Voltage	AC 100V-240V, 50/60Hz			
	Maximum Power	40W			
	Heat Dissipation	2.59 MJ/day			
"Working Environment"	Temperature	0℃ ~ 45℃			
	Humidity	15% ~ 85%			
Physical	Device Weight	7.2kg			
	Packaged Weight	8.5kg			
	Device Dimension	484mm×378mm×88.9mm			
	Packaged Dimension	630mm×585mm×250mm			

* 8K60 input resolutions and 4K60 output resolutions supported; downward compatible with other custom input/output resolutions.

Order Codes

Product Code	Item
130-0008-05-0	D8
130-0008-03-0	D8 PLUS

Dimension



* 8K60 input resolutions and 4K60 output resolutions supported; downward compatible with other custom input/output resolutions

Proudly designed and manufactured in Xiamen Hi Technology Zone, China
WEB: www.rgblink.com EMAIL: sales@rgblink.com PHONE: +86 592 5771197

www.rgblink.com