DO E | D Series Class 8K Image Processor



RGBlink®

D8E

8K Ultra HD

First 8K Image Processor

8K UHD Signal input

Open API

8K EDID management

HDMI 2.1

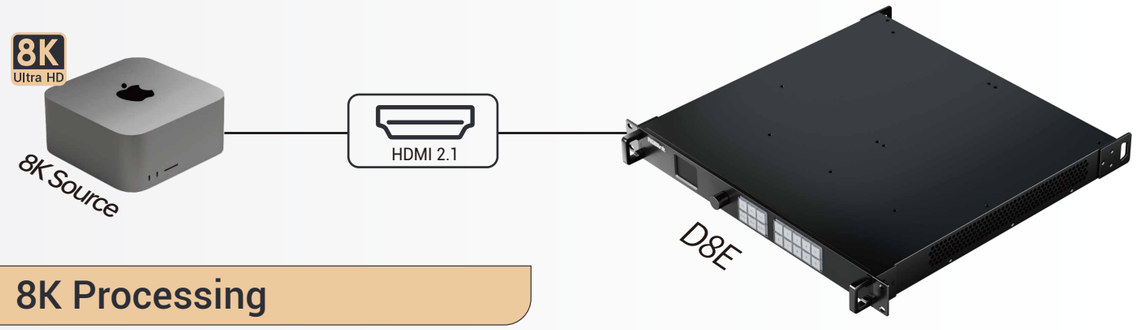
For professionals who rely on Image Processing for mission-critical presentation processing, the RGBlink D series has long set a benchmark for performance, image quality, and reliability across the most demanding broadcast and live-event environments. Now, the D8E takes that legacy into the 8K era—delivering a compelling alternative that combines enterprise-grade stability with future-ready capabilities.

Built on RGBlink's deep visual processing expertise, the D8E is engineered to put image quality above all else. It accepts 8K input sources up to UHD (7680×4320) at 30Hz with full 4:4:4 color, and supports 60Hz at 4:2:0—a level of resolution and bandwidth that surpasses traditional 4K-focused processors. Custom resolutions and frame rates are fully configurable, and the D8E uniquely offers dynamic re-configuration on the fly, along with comprehensive 8K EDID management.

Outputs are independently programmable to support far more than simple splitting or stitching. Whether you need complex multi-screen layouts, custom aspect ratios, or integrated presets for instant recall, the D8E gives you the flexibility in demanding—while adding native 8K throughput and a lower total cost of ownership. It's not just an upgrade; it's a new standard for high-resolution presentation processing.

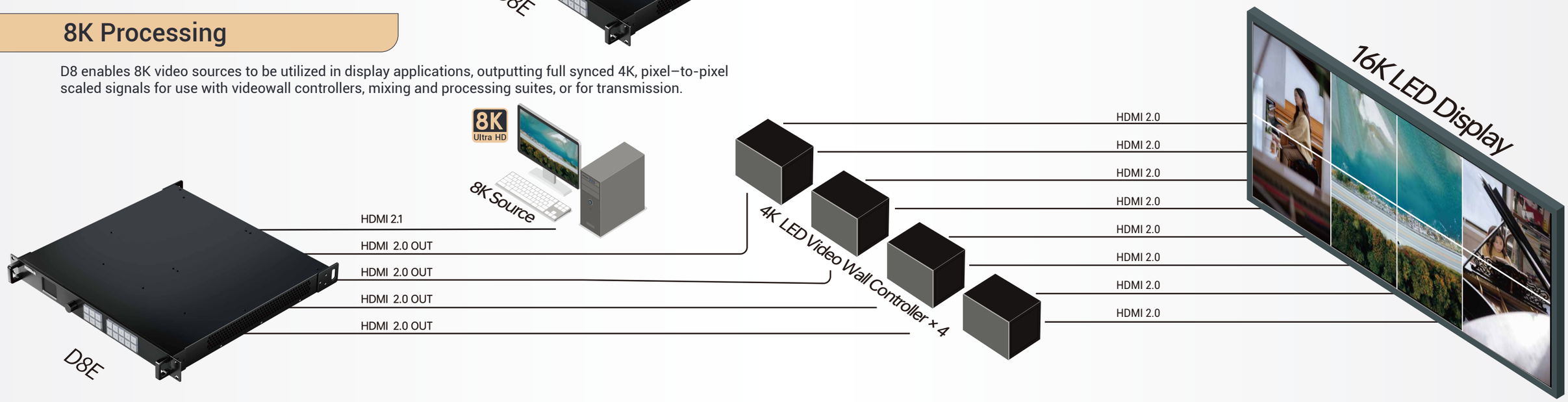
8K Sources & Management

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



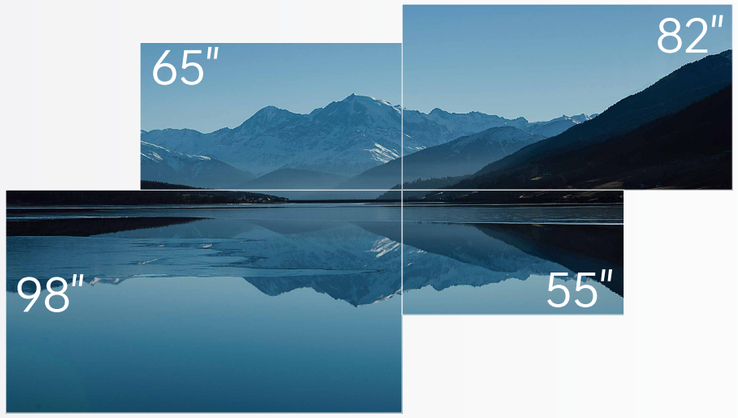
8K Processing

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

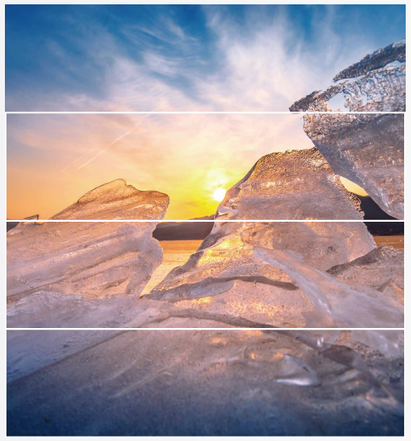
Take advantage of presets or customized arrangements, with D8 processing the 8K source, allowing the scaling to be offloaded from the 8K media compute platform for increased system performance.



8K unequal splicing



8K equal split stitching



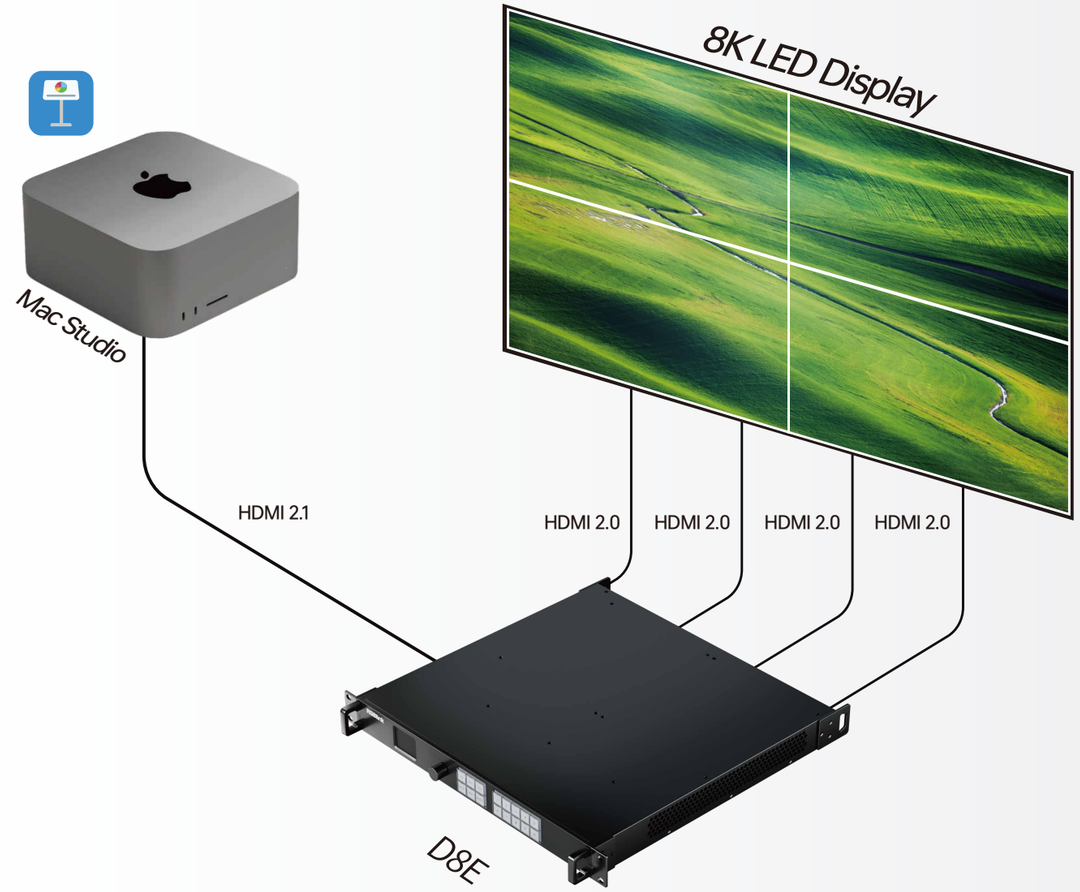
8K vertical four-split splicing



8K horizontal unequal splicing

8K Decoding & Display

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



DOE 8K Ultra HD

Specification

Connectors	Input	HDMI 2.1	1×HDMI-A	
	Output	HDMI 2.0	4×HDMI-A	
	Communication	LAN	1×RJ45	
		RS232	1×RJ11	
	Power	1×IEC		
Performance	Input Resolutions	Automatic recognition		
		HDMI 2.1		
		SMPTE	1280x720P@50/60 | 1920x1080P@30/50/60 | 3840x2160@P25/30 | 7680x4320P@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	
	Output Resolution	Select standard resolution or custom resolution		
		HDMI 2.0		
		SMPTE	1280x720P@50/60 | 1920x1080P@50/60 | 3840x2160P@60	
		VESA	1280x720@50/60 | 1920x1080@50/60 | 3840x2160@50/60 | 4096x2160@50/60	
	Supported Standard	HDMI	2.1	
	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
GPU/Platform	macOS	Mac Studio, M2 Max, Sonoma 15.5, HDMI2.1 / Thunderbolt 5		
	Windows	AMD RADEON RX7900 XT,HDMI 2.1/DP 1.4		
	Windows	Nvidia RTX4060,HDMI 2.1/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	5.9kg		
	Packaged Weight	9.8kg		
	Device Dimension	485mm×420mm×45mm		
	Packaged Dimension	540mm×525mm×130mm		

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

Order Codes

Product Code	Item
130-0008-06-0	D8E

HDMI® HDCP™

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