

Input			
Connector	Qty	Description	
HDMI 2.0	1	HDCP 2.2/1.4 ; HDR10 video input ; 1080i/576i/480i deinterlacing (MQ) ; Up to 4K×2K@60Hz input .	
DP 1.2	1	HDCP 1.3 ; 1080i/576i/480i deinterlacing (MQ) ; Up to 4K×2K@60Hz input.	
12G-SDI	4	1080i/576i/480i deinterlacing (MQ) ; Each with an input resolution of up to 4K×2K@60Hz ; For 3G-SDI, HD-SDI or SD-SDI input source, SDI mosaic input is supported.	
Output		HDMI and SDI output connectors of both output cards output the same content.	
Optical Output Card	Connector	Qty	Description
	HDMI 2.0	1	HDR10 video output ; Up to 4K×2K@60Hz output.
	10G Optical Port	4	OPT 1 and OPT 2 copy the output of HDMI 2.0 ; OPT 3 copies the output of OPT 1 ; OPT 4 copies the output of OPT 2.
12G-SDI Card and HDMI2.0 Card	Connector	Qty	Description
	HDMI 2.0	1	HDR10 video output ; Up to 4K×2K@60Hz output.
	12G-SDI	4	Each with an output resolution of up to 4K×2K@60Hz ; When two connectors are used for mosaic output, SDI 1 and SDI 2 are always used, SDI 3 and SDI 4 copy the output of SDI 1 and SDI 2 respectively.



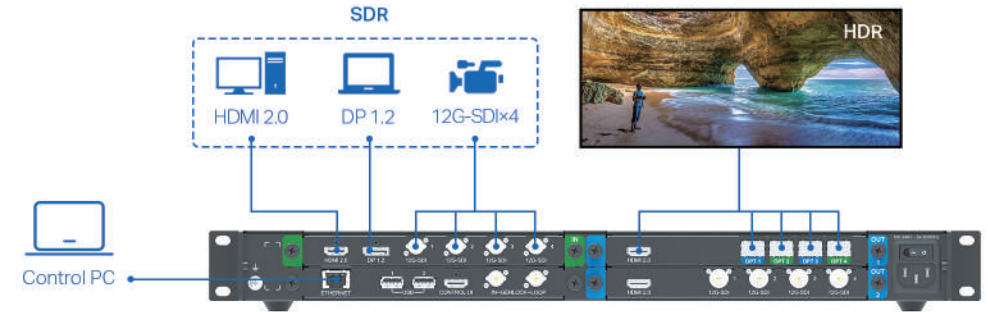
HDR Master 4K Video Processor



Exquisite color
to capture the world in detail



HDR Master 4K is an HDR video source generator that can transform SDR into an HDR10 video source, providing greater brightness range, richer colors and more details by using Novastar's AI dynamic range extension technology.

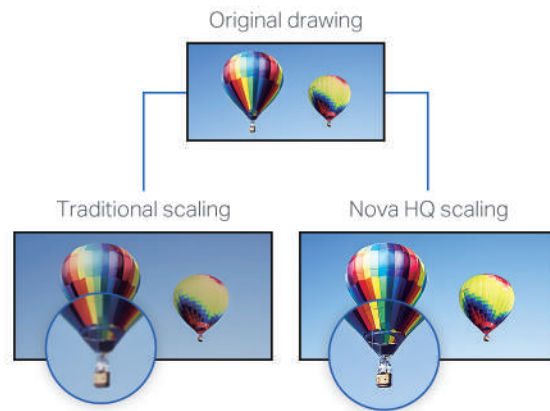


AI dynamic range extension technology



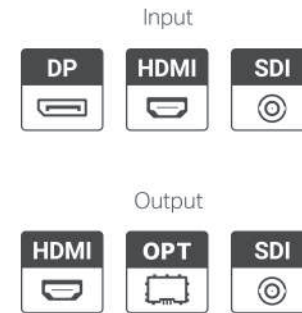
- Transforms SDR into HDR10.
- Expands dynamic range intelligently: higher contrast and higher brightness.
 - Expands color gamut intelligently: bluer sky, greener grass, brighter flowers.
 - Increases bit depth from 8bit to 10bit: more details in dark parts, smoother grayscale.
 - Intelligent facial processing makes human faces more natural and realistic on LED screen.

High quality video scaling brilliance in every pixel



The content-adaptive scaling engine employs Novastar HQ (high quality) scaling algorithm which prevents the problem of data loss and edge errors caused by zooming out and edge jaggedness and blurring problems caused by zooming in. And it also allows the image to be restored to its original likeness.

Flexible choice that meets utterly demanding



HDR Master supports flexible interface choices, includes: one swappable input card: DP1.2x1, HDMI2.0x1, 12G-SDIx4 and two swappable output cards: one contains HDMI2.0x1, 10G optical fiberx4 and one contains HDMI2.0x1, 12G-SDIx4.

Ingenious design for creating Intelligent visual experience



The front LCD panel enables real-time preview and RGB Parade which can be further customized into your own setting. It can meet most of your professional requirements. HDR Master also supports USB plug and play and import BKG and LOGO files, ensures your flashing and pleasant experience. That is much faster, easier, and more reliable!