

| Input Card | | | |
|---|------------------------|--|--|
| Connector | Qty | Description | |
| HDMI 2.0 | 1 | Up to 4K×2K@60Hz or 8K×1K@60Hz input resolution; 1080i/576i/480i deinterlacing; HDCP 2.2 and HDCP 1.4 compliant; HDR10 and HLG supported; Max. width: 8192 pixels, max. height: 4000 pixels. | |
| DP 1.2 | 1 | Up to 4K×2K@60Hz or 8K×1K@60Hz input resolution; 1080i/576i/480i deinterlacing; HDCP 1.3 compliant; Max. width: 8192 pixels, max. height: 4000 pixels. | |
| 12G-SDI | 4 | Supports ST-2082-1 (12G), ST-2081-1 (6G), ST-424 (3G), ST-292 (HD) and SMPTE 259 (SD); Up to 4K×2K@60Hz input resolution; 1080i/576i/480i deinterlacing; For 3G-SDI, HD-SDI or SD-SDI inputs, SDI mosaic input is supported. | |
| Output Card | | | |
| | Connector | Qty | Description |
| 1×HDMI2.0+ 4×Fiber Output Card | HDMI 2.0 | 1 | HDR10 and HLG supported; Up to 4K×2K@60Hz output resolution; Max. width: 8192 pixels, max. height: 4000 pixels. |
| | 10G optical fiber port | 4 | OPT 1 and OPT 2 copy the output on HDMI 2.0; OPT 3 copies the output on OPT 1; OPT 4 copies the output on OPT 2. |
| 4×12G SDI+ 1×HDMI2.0 Process Card | Connector | Qty | Description |
| | HDMI 2.0 | 1 | HDR10 and HLG supported; Up to 4K×2K@60Hz output resolution; Max. width: 8192 pixels, max. height: 4000 pixels. |
| | 12G-SDI | 4 | Up to 4K×2K@60Hz output resolution on each connector; For 3G-SDI, HD-SDI or SD-SDI outputs, SDI mosaic output. |



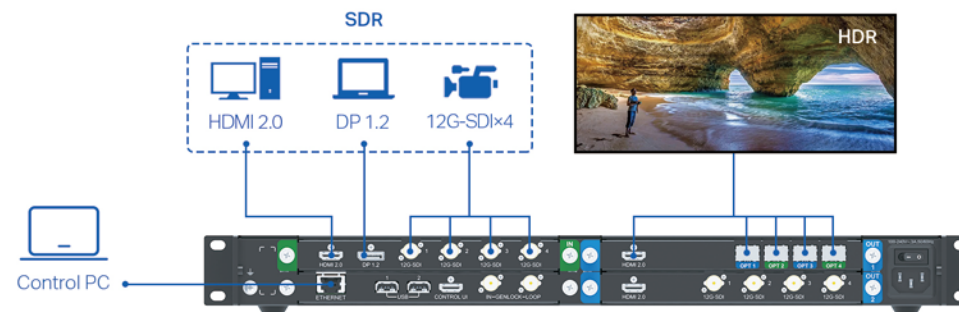
HDR Master 4K Video Processor

SDR → HDR

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.

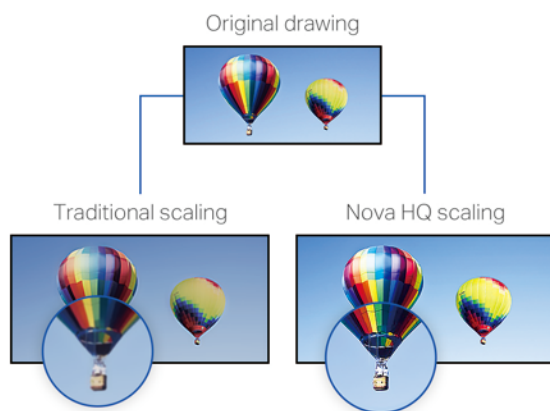


AI dynamic range extension technology



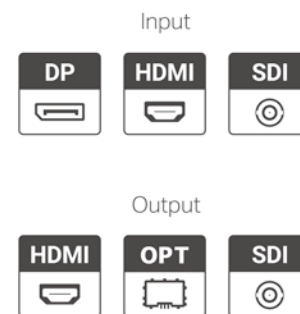
- Transforms SDR into HDR10.
- Expands dynamic range intelligently: higher contrast and higher brightness.
 - Expands color gamut intelligently: bluer sky, greener grass, brighter flowers.
 - Increases bit depth from 8bit to 10bit: more details in dark parts, smoother grayscale.
 - Intelligent facial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

Ingenuous 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.