



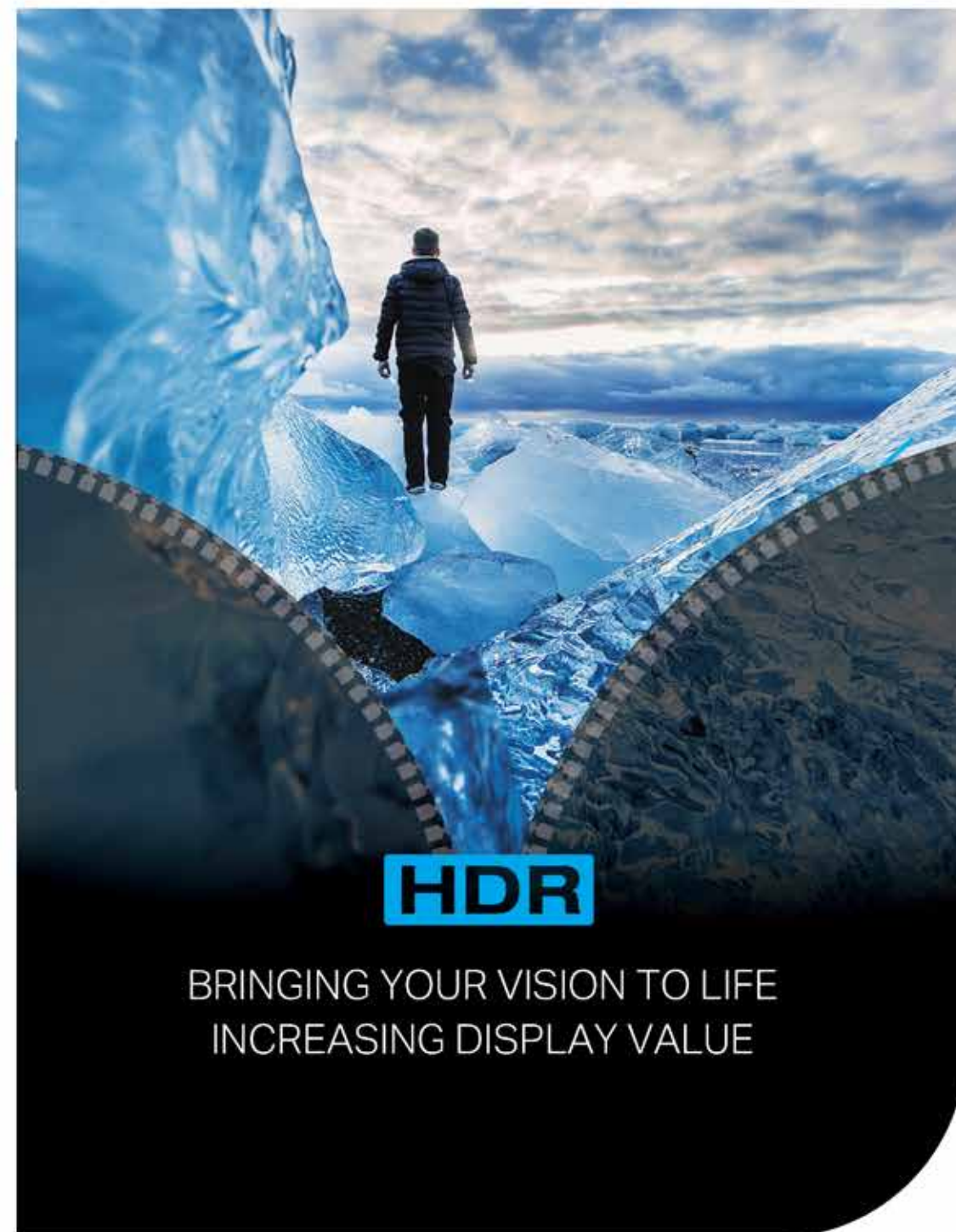
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HDR

BRINGING YOUR VISION TO LIFE
INCREASING DISPLAY VALUE

NOVA STAR

What is HDR?

A technology that dramatically improves display quality.

HDR stands for High-Dynamic Range. By increasing both brightness and dynamic range, while at the same time increasing resolution, color depth, and the color space, a more lifelike image can be achieved.



What can HDR do for you?

HDR technology increases the dynamic range of the picture by nearly 5 times, while also increasing grayscale by 4 times and improving color depth to 10bit. Finer detail and more abundant colors all make the picture more lifelike than ever before.

HDR vs SDR

More colorful, better quality, more vivid.

Compared to the current SDR 1080P standard, HDR has a higher resolution of 4K. HDR also utilizes a broader color gamut: BT2020, allowing a wider spectrum of colors to be displayed on a single image. The lightest lights and darkest darks also become more distinct, allowing for more vivid detail than you ever thought possible.

HLG

HLG is a standard for HDR (High Dynamic Range), which can capture high dynamic range images directly, making the images have more overall detail, a wider range of colors, and look more similar to what is seen by the human eyes. And no metadata is required for real-time transmission.

NovaStar's HDR Solution

Leading the LED industry into the HDR era

NovaStar is the first company to introduce HDR technology into the LED industry, aimed at improving image quality through improving the controller.



MCTRL 4K Controller + A8s/A10s receiving card

Meet the exacting analysis and display requirements of HDR source video

An HDR video source is fed to the MCTRL 4K controller via HDMI2.0a. The controller analyzes the video then processes it based on the characteristics of the display being used, finally displaying the video on your screen.

