



Setup Manual for the “Frame Adapt HDR” function

**D-ILA Projector DLA-NX9, DLA-NX7, DLA-NX5, DLA-N7, DLA-N5,
DLA-N11, DLA-N8, DLA-N6, DLA-RS3000, DLA-RS2000, DLA-RS1000**

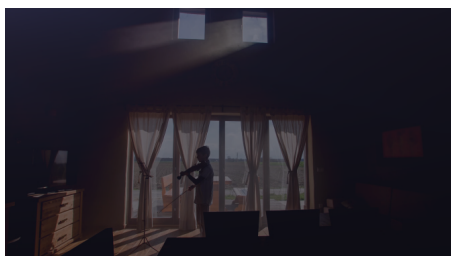
The “Frame Adapt HDR” function is additionally available with software version v3.10 and later versions. Please refer to this instruction manual for use.

About “Frame Adapt HDR” function

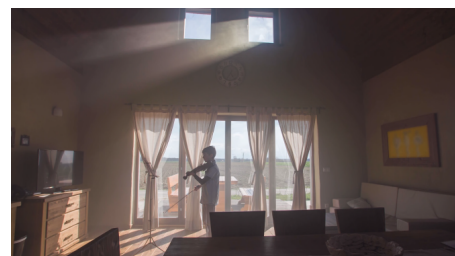
The Frame Adapt HDR function enabling reproduction of any HDR10 content dynamically in high-resolution has been added as one of the picture modes. Because the colour grading of HDR content varies depending on the video content, optimum viewing without correct image settings was difficult until now as some HDR content are adjusted to bright side and others to the dark side. Using JVC’s original algorithm, Frame Adapt HDR instantly analyses the peak brightness frame-by-frame in HDR10 content and adjusts to the optimum dynamic range in real time. What’s more, the projector’s gamma processing accuracy of gradation performance has been improved dramatically from conventional 12-bit equivalent to 18-bit equivalent. All these advancements help to bring out deeper blacks in darker scenes, and higher peaks in brighter scenes without losing colours, to reproduce images with smooth gradations that are closer to reality as recognised by the human eye.

Movie A

Scene 1:
Dark Scene



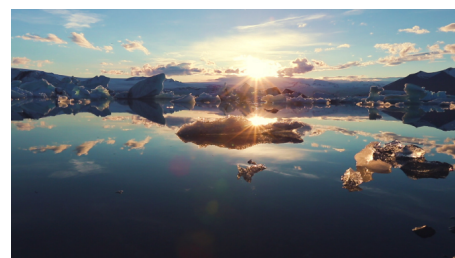
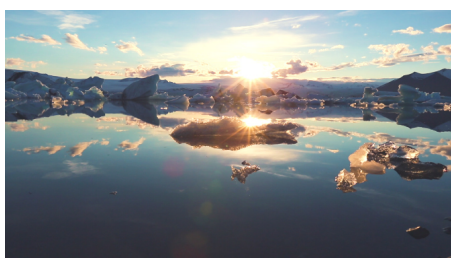
Effect of Frame Adapt HDR



Scene 2:
Bright Scene



Scene 3:
Scene with both
Bright and Dark
mixture

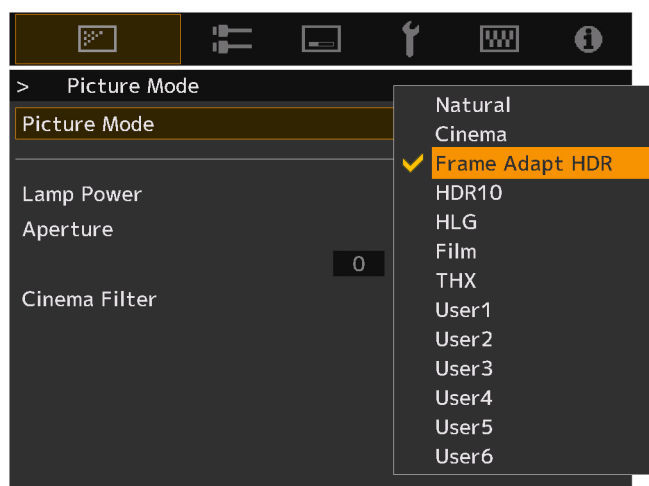


* “Frame Adapt HDR” function images

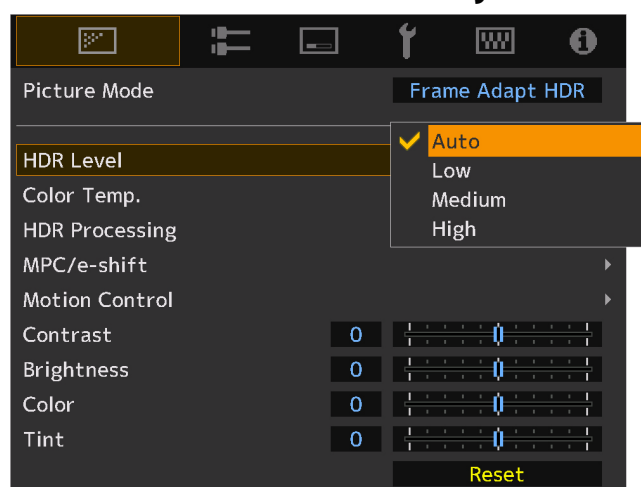
Setting “Frame Adapt HDR”*1

1 Press the [MENU] button to display the menu, and set “Picture Mode” to “Frame Adapt HDR” in the “Picture Adjust” menu.

•You can also press the [PICTURE MODE] button and use the ↑ ↓ keys to select “Frame Adapt HDR” and configure settings.



2 Selecting “HDR Level” in the “Picture Adjust” menu. *2



“HDR Level”

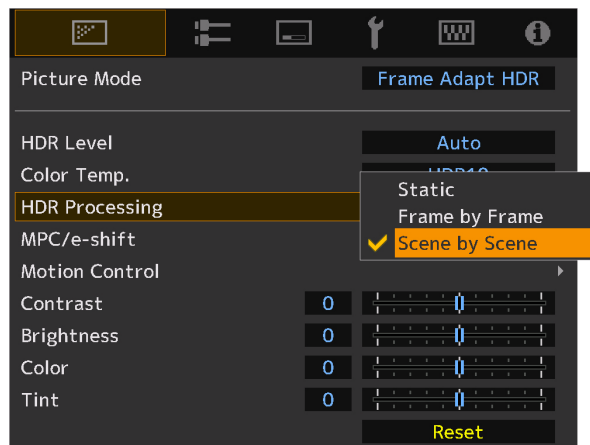
This is a feature for adjusting the overall brightness.

HDR Level	Effects on the Video Image
Auto	Automatically adjusts the brightness to an appropriate level based on the mastering information (MaxCLL/FALL) of the content.
Low	Suitable for contents that are generally bright. It is also an effective setting for smaller screens.
Medium	Suitable for contents with a standard level of brightness.
High	Suitable for contents that are generally dark. It is also an effective setting for larger screens.

*1 Supports software version v3.10 and later versions. This picture mode is only effective for HDR10 contents.

*2 “Picture Mode” is only effective for “Frame Adapt HDR”.

3 Selecting “HDR Processing” in the “Picture Adjust” menu. *3

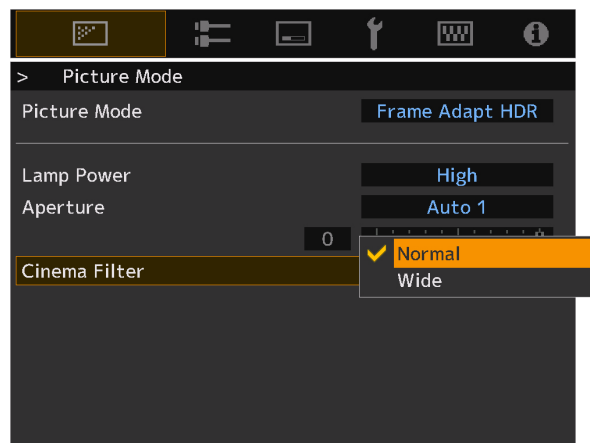


“HDR Processing”

This is a feature for configuring the method of content analysis.

HDR Processing	Effects on the Video Image
Frame by Frame	Automatically adjusts the HDR tone mapping after analyzing the peak brightness of each frame.
Scene by Scene	Automatically adjusts the HDR tone mapping after analyzing the peak brightness of each scene.
Static	Configures based on the mastering information (MaxCLL/FALL) of the content and does not make any dynamic adjustment.

4 In the “Picture Adjust” menu, select “Picture Mode” and set "Cinema Filter" to your preference in the detailed picture mode settings menu that appears.*4



“Cinema Filter”

Cinema Filter	Effects on the Video Image
Normal	Prioritizes highest image brightness with good color.
Wide	Prioritizes color reproduction and allows users to enjoy the wide color gamut of HDR. Recommended for all kinds of movie contents.

*3 Detailed "Picture Mode menu" is only effective for "Frame Adapt HDR".

*4 DLA-NX9/NX7/N7/N11/N8/RS3000/R2000