



COMMENTS FROM 2 VIDEO GURUS

THIS IS A CUSTOMER THAT HAS SEEN A DEMONSTRATION OF THE SIM2 HDR DUO SYSTEM IN USA

05-30-2017, 02:54 PM - Thread Starter

Lasalle Advanced Member



Join Date: Aug 2005 Location: Sarasota, FL
Posts: 545
Mentioned: 4 Post(s) Tagged: 0 Thread(s)
Quoted: 303 Post(s) Liked: 165

Sim2 Duo

I had the chance to get a detailed viewing of the pre-production Sim2 Duo at Alan's theater. We compared it to his high contrast modified 4K Barco Prometheus. All around Alan's modified Barco has been the best projector picture I've seen, although I have not seen the High Contrast Thor, it has bettered all the other laser projectors I've seen including Sony, JVC, and Cinemeccanica/ Barco 6p. This is the 3rd and most detailed viewing I've had of the Duo, each time has marked a major improvement. Since my last viewing the projector's have had major firmware upgrades and Alan is now driving them with a Lumagen Pro running beta HDR software. Alan has input a new HDR gamma curve using the Lumagen.

In my previous viewing the Duo showed incredible contrast but did have some clipping, also it had good P3 color but could not match the modified Barco (REC 2020). This is no longer the case. **The Duo driven by the Lumagen Pro clearly exceeds the Modified Barco and approaches flat panel HDR performance. The contrast in the Smurfs2 flame scene was reference level with no clipping and the colors matched the richness of the Barco.** The 3D depth of the HDR picture (my HDR reference framework) was unmatched. The Barco is very good in this respect but almost looked flat in comparison. **It was almost like the Sim2 took the Barco picture and added contrast pop and significant depth to the picture.** The only area the Barco lead was sharpness. The Sim2 looked analog, like an oil painting, almost 70mm. The Barco was digital and razor sharp. Alan indicated he had removed a filter from the Sim2 and could make it sharper but he liked the more film like look, I can't say I disagree, for having such contrast pop the picture also had a soothing feel to it. Since none of the content was REC 2020, its not clear weather the Barco could have bested the Sim2, but with The UHD disks played (Smurfs 2 and Battleship) it could not. The Duo accepts a UHD signal but is downrezed to 1080p, given its HDR and Color performance this was not a visible issue for me.



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A COMMENT AFTER THE DEMO AT ISE – AMSTERDAM ON MARCH 2017

Old 06-16-2017, 10:01 AM

Alan Gouger

AVS Forum Club Gold



Join Date: Jan 1999 Location: Florida
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Mentioned: 0 Post(s) Tagged: 0 Thread(s)
Quoted: 38 Post(s) Liked: 71

Quote:

Originally Posted by **donaldk** 📧

At these glowing reports, make me sad the ISE demo fell short. It means I have not seen what it can do... Eventhough the both the CTO with a trackrecord back to Seleco, and Joe Kane were there to set it up right.

Unfortunately the demo took place in a room with white walls and ceiling and floors not the ideal room to evaluate a high contrast product.

The SIM2 HDR Duo delivers true black better than all its competition but unlike all other claimed HDR projectors this system delivers 14f stops at 300nits.

The SIM2 does not claim HDR just by doubling the projectors. The fact is that the optics of just one projector is "closed", which permits a higher contrast than the other. Only few people, who are working on optics since years, know that the lost brightness is not linear.

In other words, the 35% loss of high brightness means 150% or even lower black level, due to the angle of light passing through the lens and the shape of the baffle inside the lens. There is more to this I cannot share but the end result is an image that looks like a bright CRT, it is to my eye the closest to a CRT but with gobs of brightness. I have yet to see anything that comes close it is the best projection system on the market when placed in a room optimized for projection. Remember even HD rec709 source benefits from the dynamic range expansion. No need for HDMI 2.0, HDR metadata can be loaded to the projector and put into memory. There is a lot of assumption that is incorrect but that is also because the product is so new and not much marketing information as of yet. The current XPR products from all manufacturers lack contrast.