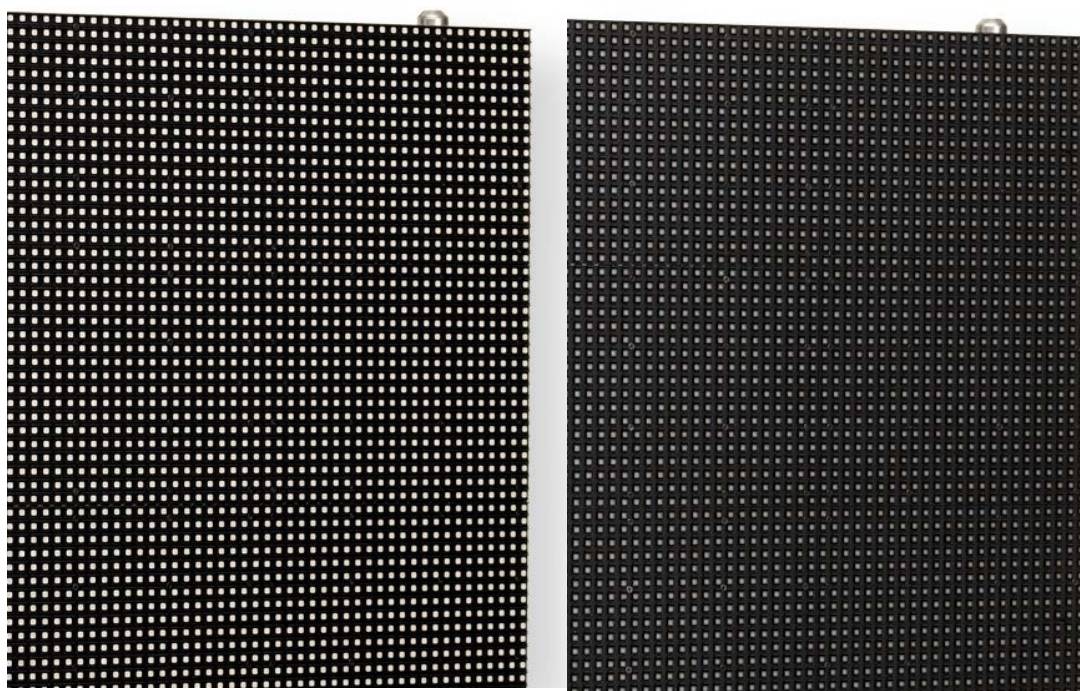


TECH NOTE

VDO Face™ 5 HB/HC

VDO Face™ 5 on P3-100 and P3-200 system controllers, revision A, date 03-03-2017



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Flicker on P3 signal

The P3-100 and P3-200 system controllers are based on an older platform than the P3-050, P3-150 and P3-300 system controllers.

Due to a limitation in the P3-100 and P3-200 system controllers, there is a small amount of flicker on the P3 signal. The flicker is unnoticeable on the majority of our products.



Figure 1: P3-100 and P3-200

However, under specific conditions, it is noticeable on VDO Face™ 5. This is the case when you use the VDO Face™ 5 together with a P3-100 or P3-200 at a low global brightness – typically less than 10%. In these cases, you might see a small amount of flicker in the video image.

The flicker is also highly dependent on the content, for example dark gradients in the content make the flicker more visible. The flicker is generally not noticeable at brightness levels above 10%.

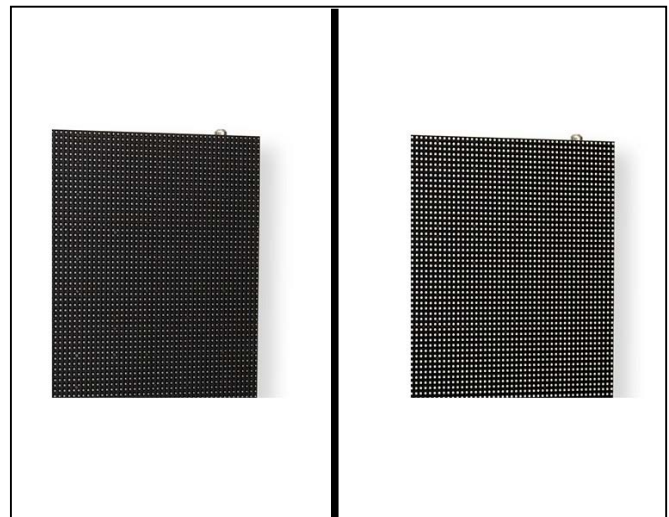


Figure 2: VDO Face™ 5 HB and HC

How to avoid flicker

To avoid the flicker, always use the VDO Face™ 5 with a P3-050, P3-150 or P3-300 system controller as these system controllers do not have the same level of flicker on their P3 signal.



Figure 3: P3-050, P3-150 and P3-300