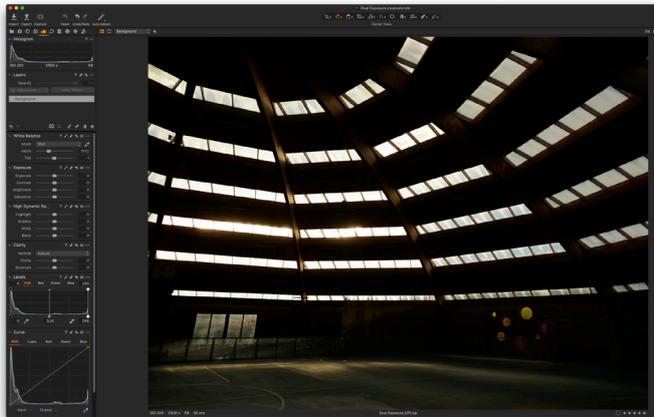


# Dual Exposure+ Comparision

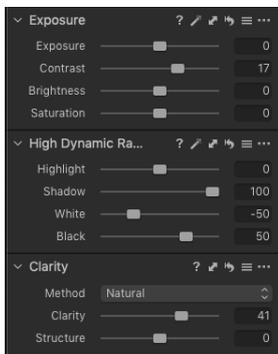
Extreme high dynamic range situation of indoor gymnasium structure (1/500, f:8 ISO200 @ 35mm)



The image is exposed to ensure detail in the majority part of the roof windows except where specular highlight from the sun is present. Naturally the interior part of the gymnasium is severely underexposed with no detail. The dynamic range of a single shot capture is not able to contain enough clean image data to ensure a usable image processing of this scene.

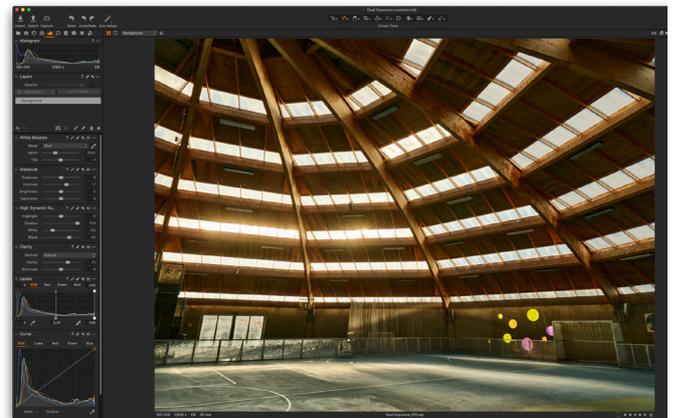
Performing a Dual Exposure+ exposure with the same settings ensures an increased dynamic range in the file of 3 f-stops with the ability to push the deep shadows further without severely increasing the noise and with the result of a clean usable images with extreme dynamic range.

« No adjustments



To achieve this result the shadow slider was set to 100 and the Black slider to 50. In this particular image both the contrast and clarity was pushed a bit. Although the image is exposed after the highlights there was still the need to pull back a little on highlight slider.

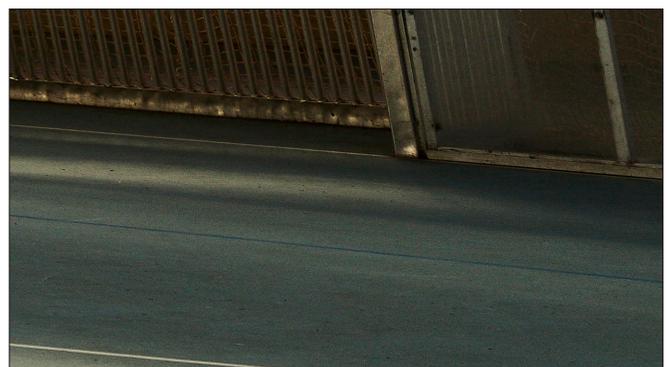
Shadow recovery adjustments »



Normal capture:

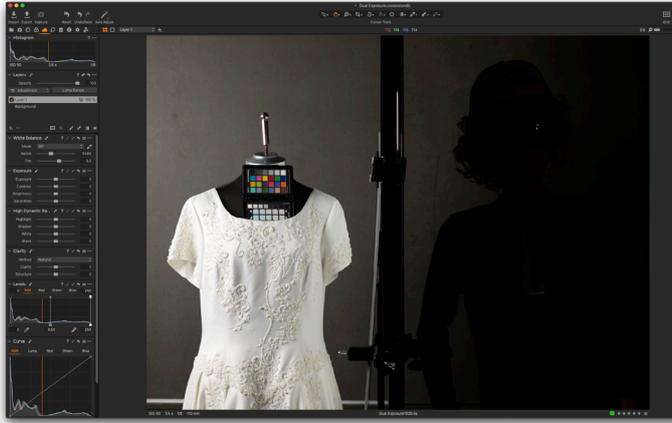


Dual Exposure+ capture:



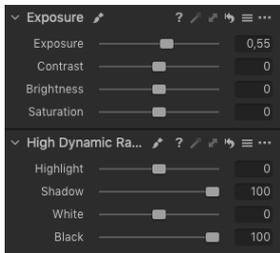
### Example no. 2

#### Studio controlled environment (1/4 sec f:8 50 ISO @110mm)



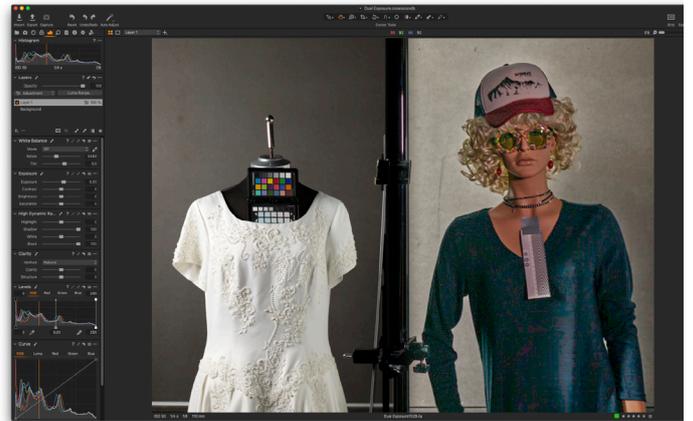
Again, the image is exposed to retain the highlights in the wedding dress. A flag is put between the two mannequins to block the light from the single light source in the scene. The RGB values on the right side of the mannequins face are 9, 7, 6. A layer with a gradient mask has been applied in Capture One to preserve the left side of the image and to increase the shadow levels of the right side of the image.

« No adjustments



The settings applied to best illustrate the extreme dynamic range are: Exposure +0,55, Shadow 100 and Black 100. It is very visible in the DualExposure+ image that both details and colors are preserved in the deep black shadows of the file.

Shadow recovery adjustments »



Normal capture:



Dual Exposure+ capture:



Please see the supplied PSD file in order to check out the differences in full detail.