

Spresense HDR camera board

The new Spresense HDR camera board is unprecedented in situations with large light contrasts and during low-light conditions.

- Superior for real varying outdoor light conditions
- High Dynamic Range (120dB)
- Interchangeable lens
- Low power consumption

[Full product specification](#)



Made to handle large light contrasts



HDR OFF



HDR ON

Thanks to the High Dynamic Range (HDR) of the Spresense HDR camera board, the visual results in conditions with strong backlight have a stronger clarity than conventional cameras. This is typically apparent in situations with objects or parts of indoor environment against a backdrop of strong daylight.

Superior performance during low-light conditions

With 120 dB sensitivity, the Spresense HDR camera board delivers superior image quality in low-light conditions. Comparing to conventional cameras with sensors that have lower dynamic range, details and objects not possible to identify become visible with the Spresense camera.



Conventional camera (Dynamic range 60 dB)



Spresense HDR camera (Dyn. range 120 dB)