

A new camera from E-con Systems works even with almost no light with what the makers call a wide dynamic range (WDR), streaming full HD at 30 and 60 fps over USB. As a Socionext Camera Ecosystem Partner, E-con have worked closely with Socionext to develop the Hyperyon camera leveraging the advanced features of Socionext's ISP for capturing high-quality images under low light conditions, with technology such as three-dimensional noise reduction (3DNR) as well as the WDR.



By bringing out the best low light performance of Sony's IMX290 sensor in combination with Socionext ISP, the Hyperyon produces best-in-class images in nearly absolute darkness conditions of 0.002 Lux—the illuminance created by a 1.25-candela light at a distance of 25 metres. The Hyperyon is also optimised for NIR (near infrared) imaging. E-con provide sample Windows and Linux applications (e-CAMView and QtCAM, respectively) which uses the standard UVC protocol to access the camera controls.