

Specialized cameras



High performance digital camera systems with additional outstanding features. Perfect for demanding PIV, PSP and UV imaging

➤ **PCO imaging Sensicam qe double shutter**

- super quantum efficiency up to 65%
- extremely low noise
- 12 bit dynamic range
- Very short interframing time of 500ns
- Thermo-electrical cooling to -12°C
- High resolution (1376 x 1040 pixels)



➤ **PCI imaging Pixelfly double shutter**

- Ultra compact design
- extremely low noise
- 12 bit dynamic range
- Very short interframing time of 5µs (PIV)
- Temperature compensated
- High resolution (1360 x 1024 pixels)

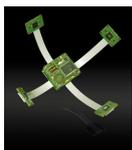


➤ **SONY MCB 1172 HD module**



Sony released a new super small 8.3-megapixel camera module measuring at 9.5 x 7.1mm. According to Pocket-lint, “the “MCB1172” from Sony Europe’s Image Sensing Solutions Division is capable of delivering 720p, 30fps video (with slow-mo up to 120fps), 16x zoom, and includes movie stabilization, face detection, auto focus and motion auto focus. Sony is quoted as saying this is the “world’s smallest” HD camera module.

➤ **VRmagic multi-sensor camera**



The multi-sensor camera can be equipped with up to four pixel-synchronous sensors. The CMOS sensors with global shutter are connected to the central unit by a flex-foil-cable with LVDS transmission and can be freely positioned. The image data is coordinated on a FPGA module with at least 256 MB RAM. The multi-sensor camera can produce pixel-synchronous images from several positions, as required for 3D reconstruction, for example. Light-section-, Gray-code- and phase shift processes can even be applied to moving objects when using the multi-sensor camera.

➤ **VRmagic remote-sensor camera**

For applications with tight or angled installation space VRmagic offers cameras with remote and freely position able sensors. The sensor is connected to the main unit by an up to 50 cm long flex-foil-cable with LVDS transmission.



For more information or complete technical datasheets please take contact with **sdvision** for more information.