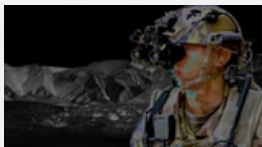


HDPYX 330-G

3.3 MP, Global Shutter Low light HDR CMOS image sensor



The HDPYX 330-G is the right image sensor for low light applications featuring High Dynamic Range (HDR), high speed, low noise and high sensitivity.



APPLICATIONS

- Night vision and Low Light applications
- NewSpace
- Surveillance and Defense



KEY FEATURES

- 4.4µm pixel pitch
- Global shutter with 2 operation modes: Low Noise (with multisampling) and High Speed
- Ultra-low crosstalk in NIR
- 2x2 Binning (charge domain)
- 12 bits ADC
- Output format: 12 or 16 (HDR) bits
- 16 LVDS data lanes up to 960 Mbps
- Ceramic package, LGA, 288 pins
- Power < 1.6W @ full speed
- Monochrome or standard RGB Bayer



MAIN CHARACTERISTICS

- Resolution 3.3 MP
- Active Pixels 2160 x 1536
- Aspect Ratio 4 : 3
- Max frame Rate 200 fps
- Optical Diagonal 2/3"



PERFORMANCES

- High Dynamic Range > 80 dB (Dual gain)
- Readout Noise < 2e- in Low Noise mode
- Full Well Capacity > 17 ke-
- QE > 65% at 550nm
- SNR Max 42.3dB

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