

# SONY SENSOR

the latest 4K UHD image sensor



SONY STARVIS

Conventional

CMOS active pixel type dots	High dynamic range (HDR) function
Built-in timing adjustment circuit, H/V driver and serial communication circuit	- Multiple exposure HDR - Digital overlap HDR
Input frequency	Synchronizing sensors function
24 MHz / 27 MHz / 37.125 MHz / 72 MHz / 74.25 MHz	Variable-speed shutter function (resolution 1H units)
Number of recommended recording pixels	10-bit / 12-bit A/D converter
3840(H) x 2160(V) approx. 8.29 M pixels	CDS / PGA function
Readout mode	- 0 dB to 30 dB: Analog Gain 30 dB (step pitch 0.3 dB) - 30.3 dB to 72 dB : Analog Gain 30 dB + Digital Gain 0.3 to 42 dB (step pitch 0.3 dB)
- All-pixel scan mode	Supports I/O
- Horizontal / Vertical 2 / 2-line binning mode	- CSI-2 serial data output (2 Lane / 4 Lane), RAW10 / RAW12 output
- Window cropping mode	
- Horizontal / Vertical direction-normal / inverted readout mode	
Readout rate	
- Maximum frame rate in All-pixel scan mode : 12 bit : 52.2 frame/s, 10 bit : 61.6 frame/s	