



The CS0202, 2000 x 2000 pixel (four, 1000 x 1000 pixel) CMOS sensor area array units in a single chip, is specifically designed to meet the challenging needs of highway surveillance. With our patented sensor, one camera system can clearly visualize the license plate with high intensity headlights.

Specifications:

Items	Specification
Active array size	2016 x 2016
Pixel size	8um x 8 um (2x2 4umx4um sub-pixel)
Active area	16mm x 16mm
Shutter type	Rolling shutter (Progressive type)
ADC resolution	12-bit
Maximum frame rate	30 fps
Column level amplifier gain	x1 to x8
Power consumption	1.8W
Micro lenses	No
Fill factor	34%
I/O interface Digital	Digital 3.3V CMOS Level
Read noise	~40e-
Dark current	TBD
FPN	2%
SNR	50dB
PRNU	<3% RMS of signal
Peak QE	>45%
Dynamic range	55dB
Full well capacity	24ke-
Bad / defective pixels allowed	TBD
Anti-blooming	Ok
Non-linearity	2%

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