

# shr811CCX12

<b>Specifications</b>	
Resolution [MP]	245.8 MP
Resolution (h x v)	19200 x 12800 px
Frame rate (max.)	12.4 fps
Chroma	color
Interface	CXP-12 with 4 Connections (micro-BNC)
<b>Sensor</b>	
Sensor	IMX811-AAQR-C
Manufacturer	Sony
Sensor type	Area CMOS
Shutter type	rolling shutter
Sensor size (h x v)	53.95 x 35.97 mm
Optical diagonal	64.84 mm
Sensor format	64.84mm (Type 4.1)
Pixel size (h x v)	2.81 x 2.81 $\mu\text{m}$
<b>Camera</b>	
Exposure modes	MANUAL;AUTO
Trigger modes	INTERNAL;SOFTWARE;EXTERNAL
Exposure time (min)	60 $\mu\text{s}$
Exposure time (max)	10 sec
Pixel format / max	bayer12, bayer14, bayer16 / 16 bit
Gain modes	manual, auto
S/N ratio (max)	44.4 dB (dep. on environment)

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Dynamic range (max)	77.8 dB (dep. on environment)
Internal memory	1024 MB SDRAM, 160 MB Flash
<b>Feature Set</b>	
Manual white balance	yes
Automatic white balance	yes
AOI	yes
LUT	yes
Offset	yes
Binning	yes
Image flip	yes
Shading correction	yes (external)
Defect pixel correction	yes
Sequencer	yes
PoCXP	yes
<b>Housing</b>	
Lens mount	M72x0.75
Dimensions (w x h x d)	80 x 80 x 85.6 mm
Weight	600 g
Operating temperature (housing)	-10 to 60 °C
Protection class	IP30
<b>I/O-Interfaces</b>	
Input up to 24V	2 x
Input OPTO	1 x
Output open drain	4 x
I/O RS-232	1 x

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Power supply	10 to 25 V (DC)
Power consumption	17 W (dep. on operating mode)

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