

# shr811MCX12

<b>Specifications</b>	
Resolution [MP]	245.8 MP
Resolution (h x v)	19200 x 12800 px
Frame rate (max.)	12.4 fps
Chroma	mono
Interface	CXP-12 with 4 Connections (micro-BNC)
<b>Sensor</b>	
Sensor	IMX811-AAMR-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 $\mu$ m
<b>Camera</b>	
Exposure modes	MANUAL;AUTO
Trigger modes	INTERNAL;SOFTWARE;EXTERNAL
Exposure time (min)	60 $\mu$ s
Exposure time (max)	10 sec
Pixel format / max	mono12, mono14, mono16 / 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>	
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
Power supply	10 to 25 V (DC)
Power consumption	17 W (dep. on operating mode)

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