

shr411MXGE-T

Please note: This product is preliminary.
Technical specifications might change.

Specifications

Resolution [MP]	151 MP
Resolution (h x v)	14192 x 10640 px
Frame rate (max.)	6.1 fps
Chroma	mono
Interface	10GigE Vision (RJ-45)

Sensor

Sensor	IMX411ALR
Manufacturer	Sony
Sensor type	Area CMOS
Shutter type	rolling shutter
Sensor size (h x v)	53.36 x 40.01 mm
Optical diagonal	66.69 mm
Sensor format	66.7mm (Type 4.2)
Pixel size (h x v)	3.76 x 3.76 μ m

Camera

Exposure modes	MANUAL;AUTO;EXTERNAL
Trigger modes	INTERNAL;SOFTWARE;EXTERNAL
Exposure time (min)	60 μ s

1stVision, Inc.

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Exposure time (max)	10 sec (external ∞)
Pixel format / max	mono8, mono12, mono16 / 16 bit
Gain modes / max	manual, auto / 36 dB
S/N ratio (max)	46.7 dB (dep. on environment)
Dynamic range (max)	82 dB (dep. on environment)
Internal memory	512 MB SDRAM
Feature Set	
LUT	yes
Offset	yes
Binning	yes
Image flip	yes
Shading correction	yes (external)
Defect pixel correction	yes
Sequencer	yes
POE	yes (POE+)(optional)
Housing	
Lens mount	M72x0.75
Dimensions (w x h x d)	80 x 80 x 107.1 mm
Weight	700 g
Operating temperature (housing)	-10 to 65 °C
Ambient humidity	10 to 90 % (non-condensing)
Protection class	IP30
Filter-/Coverglass	Borofloat B270i - AR coating
I/O-Interfaces	

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Input up to 24V	2 x
Input OPTO	1 x
Output open drain	4 x
I/O RS-232	1 x
Power supply	21 to 25 V (DC)
Power consumption	30 W (dep. on operating mode)

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