

### Main Unit Spec

Product Name	120MXSC	120MXSM
Filter Types	RGB	Monochrome
Sensitivity	(Green): 10,000e/lux/sec	20,000e/lux/sec
Sensor Size	APS-H (29.22mm x 20.20mm)	
Number of Effective Pixels	13280h x 9184v, approx. 122MP	
Pixel Size	2.2 $\mu$ m x 2.2 $\mu$ m	
Scan Type	Progressive Scan	
Shutter Type	Rolling Shutter	
Package Type	188pin ceramic PGA	
Saturation	10,000e @ gain 0.5x	
Output Channels	Data 28 lanes, Clock 14 lanes	
Dark Random Noise	2.3e rms @ gain x8, Room Temperature	
Dark Current	8.1e/sec @ gain x8, 60°C	
Number of Output Channels	Data 28 lanes, Clock 14 lanes	
Main Clock Frequency	45MHz (Recommended)	
Output Format	720Mbps in LVDS output 9.4fps @ 10 bit	
Gain	Built in column amplifier (Pre-amplifier gain mode: x0.5, x1, x2, x4, x8)	
Resistor Control Type	Serial communication	
Scan Function	All pixel progressive scan reading function, Region of Interest (ROI) reading function (Vertically)	
Read Function	Vertically intermittent reading function (1/1, 1/2, 1/3, 1/5, 1/7, 1/15)	
Power Consumption	2.5W (under recommended operating conditions)	
Power Supply Voltage	1.7 V, 3.5 V	
Package Size	55.0mm x 47.8mm x 4.49mm	

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