3U5MGXS 5MP Global Shutter CMOS

Product Specifications

Main Unit Spec

Product Name	3U5MGXSC	3U5MGXSM
Filter Types	RGB on-chip color filter	Monochrome
Sensitivity	Green: 30,000e/lx/sec @Analog gain x1 (TBD)	TBD
Sensor Size	Approx. 2/3 inch (8.8mm x 7.0mm)	
Number of Effective Pixels	2592h x 2056v, approx. 5.3M	
Pixel Size	3.4µm x 3.4µm	
Maximum Frame Rate	120fps	
Shutter Type	Global electronic shutter function	
Scan Type	Progressive scan	
Main Clock Frequency	36MHz (Recommended)	
Saturation	14,000e gain x1 (10 bit 60fps) (TBD)	
Output Channels	12 lanes, Clock 2 Lanes	
Output from LVDS	Maximum output of 864Mbps	
Analog Gain	0 to 36dB	
Digital Gain	0 to 24dB	
Dark Random Noise	2.6e rms @ Analog gain x4 (TBD)	
Dark Current	1.3 e/sec @Analog gain x4, Room Temp	
Maximum Dynamic Range	74dB (TBD)	
ROI	ROI function (8 region) Inverted output function (horizontal and vertical)	
Package Type	180pin ceramic LGA	
Power Consumption (Type)	500mW (full pixel scan at 60 fps)	
Power Supply Voltage	3.3V, 1.2V	
Package Size	19.0mm x 18.1mm x 2.5mm	
Camera Modes	Exposure Control by External Trigger, Frame Rate priority and Dynamic Range priority	

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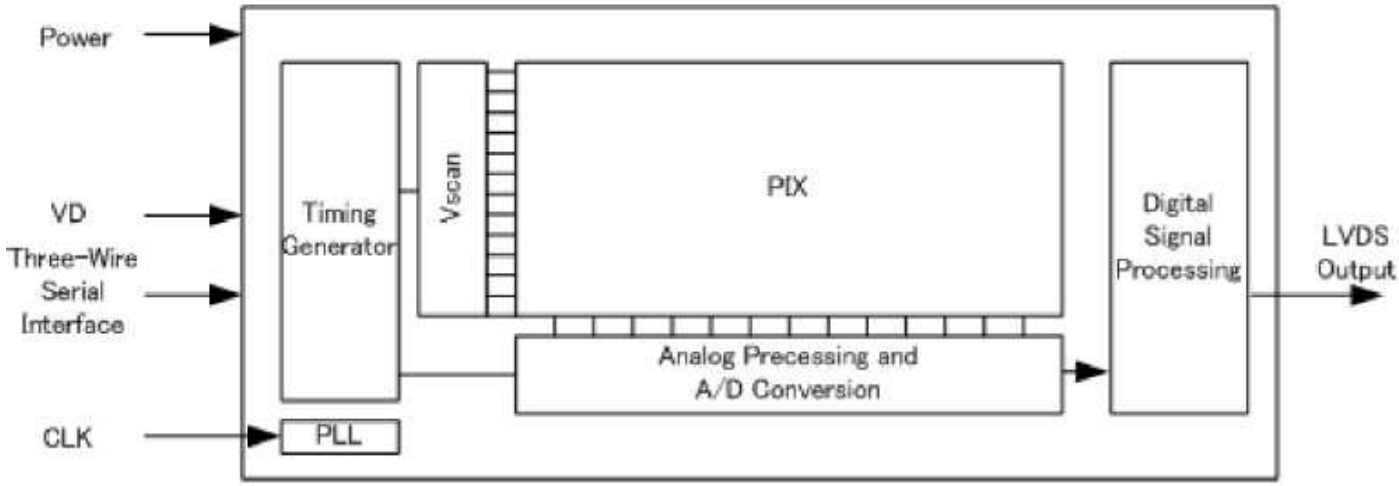
Main Unit Spec



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