

CMOS Camera



- SONY Exmor CMOS Color sensor
- USB3.0 transfer interface
- Ultra-fine Hardware Image Signal Processor: higher frame rate.
- Adjustment: Automatic Exposition, One Push White Balance, Gain, Chrominance, Saturation, Contrast
- Windows/ multiple platform SDK(Native C/C++, C#/VB.NET, DirectShow, Twain)
- Natural Cooling
- Made from CNC aluminium alloy, ensures a heavy duty, workhorse solution.
- With a high quality IR-CUT to protect the camera sensor. No moving parts included.
- Ensures a rugged, robust solution with an increased lifespan.
- Widely used in bright field light environment and microscope image capture and analysis

Models	Total Pixel / SONY (Global Shutter) Sensor Size (mm)	Pixel Size (µm)	Dark Sensitivity	FPS/Resolution
MESEN 20M	20M / IMX183 1" (13.06x8.76)	2.4x2.4	462mv with 1/30s	15@5440x3648 50 @2736x1824 60@1824x1216
D9MGS	9M / IMX305(GS) 1" (14.13x7.45)	3.45x3.45	1146mv with 1/30s 0.15mv with 1/30s	34@4096x2160 60@2048x1080
D5MGS	5.0M / IMX264(GS) 2/3" (8.45x7.07)	3.45x3.45	1146mv with 1/30s 0.15mv with 1/30s	35 @2448x2048 50 @1224x1024
D3MGS	3.1M /IMX265(GS) 1/1.8" (7.07x5.30)	3.45x3.45	1146mv with 1/30s 0.15mv with 1/30s	53 @2048x1536 85 @1024x768
MESEN 2M	2.0M / IMX385 1/2" (7.20x4.05)	3.75x3.75	2350mv with 1/30s 0.15mv with 1/30s	125 @1920x1080

OPERATING ENVIRONMENT	
Operating Temperature	-10 °C~ 50 °C
Storage Temperature	-20 °C~ 60 °C
Operating Humidity	30~80%RH
Storage Humidity	10~60%RH
Power Supply	DC 5V over PC USB Port
SOFTWARE ENVIRONMENT	
Operating System	Microsoft Windows 10(64 bit)
PC Requirements	CPU: Equal to Intel Core2 2.8GHz or Higher
	Memory: 2GB or More
	USB port: USB 3.0 High-speed Port

Dimension

