

EEM003-USB2.0 Specification

*** EEM003-USB2.0**

- FULL HD 5xZoom SMART FOCUS USB2.0 Vision Camera



EEM003-USB2.0 is an USB2.0 vision camera . With its compact design.

Key Features

- *compressed MJPEG FULL HD video with 30 frame rate*
- *Fast Auto Focus with continuous tracking*
- *Each zoom step speed control*
- *Real-Time use to serial zoom speed control*
- *Contrast Enhancement (Local Exposure)*
- *AWB(Automatic White Balance)*
- *AE(Automatic Exposure)*
- *BLC(Back Light Compensation)*
- *DFC(Defective Pixel Correction) on the fly*
- *Remote lens control via standard controller (RS232)*
- *Sony 1/2.8" IMX-136LQJ-C CMOS, 2Megapixel*
- *Up to 1920X1080 30P resolution*
- *2D/3D DNR (Digital Noise Reduction)*
- *RS-232 Interface for external control*
- *Available USB2.0 (500mA/port) for power specification, but should connect with USB3.0 port (1A/port) or 2 lines of USB2.0 port at the same time for stable control.*
- *DC5V*

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Specification for Camera

MODEL	EEM003-USB2.0
Sensor Device	Sony 1/2.8" progressive scan CMOS, 2Megapixel
Total Pixels	1952(H) x 1116(V) 2.18 Megapixel
Effective Pixels	1944(H) x 1104(V) 2.14 Megapixel
Scanning System	Progressive Scan
Horizontal	800TVL
S/N Ratio	More than 50dB (AGC Off)
Shutter Speed	1/60s Default,(Long Exposure Mode, ~1Sec)
Video Output	1920 x 1080 30P
Video Output Format	Compressed MJPEG
Day & Night	IR CUT Filter built in System
Serial Port	RS232
Lens Control	Motorized Lens Control by stepping Motor. (Simplified Adjustment)
Power Source	DC 5V
Ambient Temperature	-10°C ~ 60°C
ISP output Format	YUV 4:2:2 16bit (BT1120 ,16bit)
USB Chip	EM27386D, Not supported UVC, How to control form Windos OS, directdraw
Operating PC spec	Current is over the 700mA, OS : Win7SP1 up, CPU :Core i3 up, RAM: 4GB up, With stand alone VGA card well be better.
Image Delay Time	About 250ms ~ 300ms (Difference depending HOST PC performance)

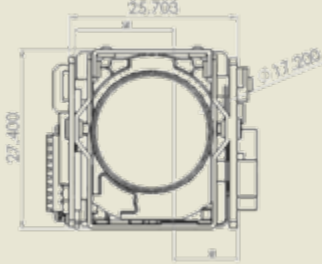
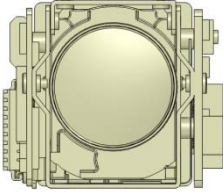
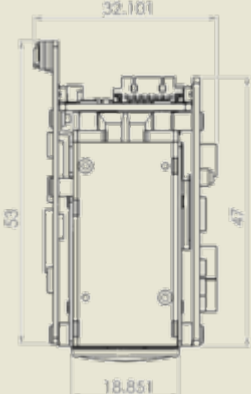
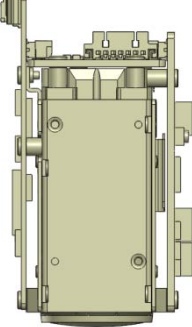

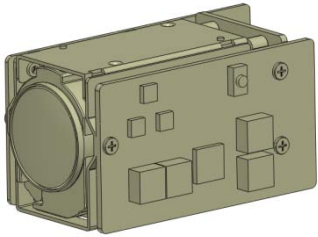
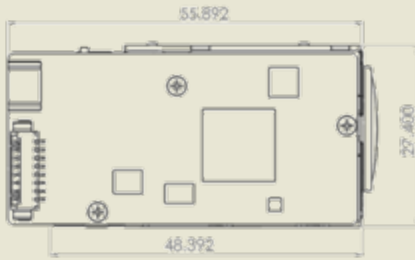
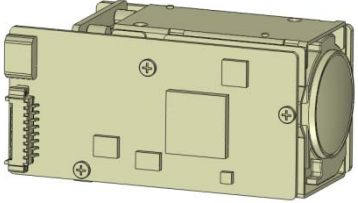
- **Specifications are apt to change without prior notice to enhance quality and performance.**

Specification for Lens

MODEL	EEM003
Fno	F3.5(Wide) ~ F3.7(Tele)
Effective Focal Length	F=5.0 ~ 25.0mm (Zoom Ration = 5x)
Focusing Range	10cm(Wide) ~ 80cm(Tele)
Field Of View (Degree)	Wide : 60.26(D) , 49.20(H) , 37.40(V) Tele : 13.08(D) , 10.52(H) , 7.94(V)
Relative Illumination	More than 50%

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● **Dimension**

	Dimension	3D
Front		
Top		
Side 1		
Side 2		
Bottom	