

EEM012-USB2.0 Specification

*** EEM012-USB2.0**

- FULL HD 12xZoom SMART FOCUS USB2.0 vision Camera



EEM012-USB2.0 is an USB2.0 vision camera . With its compact design.

Key Features

- *compressed MJPEG FULL HD video with 30 frame rate*
- *Supported DIS(Digital Image Stabilizer)System*
- *Fast Auto Focus with continuous tracking*
- *Patented intelligent IR protection technology*
- *Contrast Enhancement (Local Exposure),Adaptive Contrast Enhancer(ACE)*
- *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-291 CMOS, 2Megapixel*
- *Up to 1920X1080 30f resolution*
- *Built-in DC Auto Iris with IR cut Filter conversion system*
- *Composite video output for instant camera test or for conventional use with SD DVR*
- *2D/3D DNR (Digital Noise Reduction), Optical zoom , Digital zoom, Wide Dynamic Range(WDR)*
- *ADC Interface for external control of OSD (Using controllers, etc.)*
- *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.*
- *DC12V*

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Specification for Camera

MODEL	EEM012-USB2.0
Sensor Device	Sony 1/2.8" progressive scan CMOS, 2Megapixel
Total Pixels	1945(H) x 1109(V) 2.16 Megapixel
Effective Pixels	1945(H) x 1097(V) 2.13 Megapixel
Scanning System	Progressive Scan
Horizontal	800TVL
S/N Ratio	More than 50dB (AGC Off)
Shutter Speed	1/30s Default,(Long Exposure Mode, ~1Sec)
Video Output	1920 x 1080 30F
Video Output Format	Compressed MJPEG
AV Output	1V p-p Composite. 75 Ohms
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: 4 GB up, With stand alone VGA card well be better.
Day & Night	IR CUT Filter Conversion System
Serial Port	RS232
Lens Control	Motorized Lens Control by stepping Motor. (Simplified Adjustment)
2D/3DNR	Off / On (User selectable by OSD)
Power Source	DC 12V
OSD	Video Mode / D&N / AWB / AE / Flickerless /DIS Brightness / Sharpness / Mirror & Flip / DSS/DNR, etc.
Ambient Temperature	-10°C ~ 50°C

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

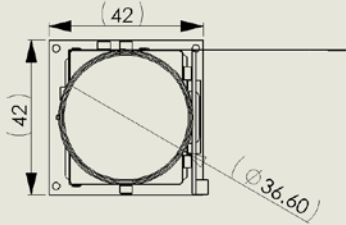
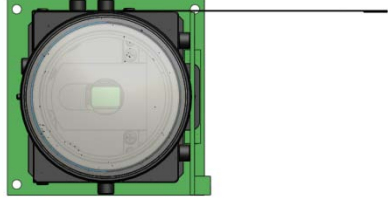
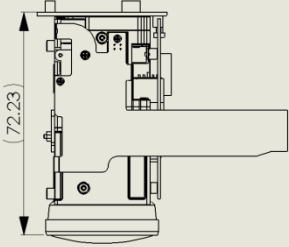
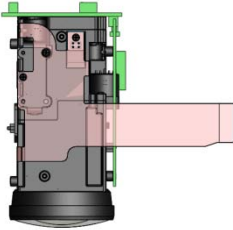
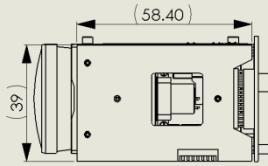
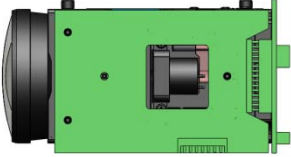
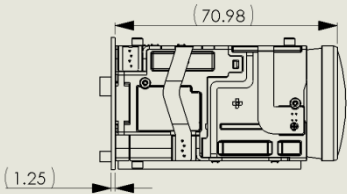
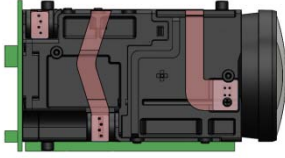
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Specification for Lens

MODEL	EEL005
Fno	F2.2(Wide) ~ F2.3(Tele)
Effective Focal Length	F=4.8 ~ 57.6mm (Zoom Ratio = 12x)
Focusing Range	10cm ~ ∞ (Wide) , 1M ~ ∞ (Tele)
Field Of View (Degree)	Wide : 71.7(D) , 64.2(H) , 37.5(V) Tele : 6.7(D) , 5.9(H) , 3.3(V)
Relative Illumination	More than 50%

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● **Dimension**

	Dimension	3D
Front		
Top		
Side 1		
Side 2		
Bottom	