

# **EEM003 Specification**

## **\* EEM003**

**- FULL HD 5xZoom SMART FOCUS Vision Camera**



*EEM003 is an vision camera . With its compact design.*

### ***Key Features***

- ***Uncompressed high quality FULL HD video with 60 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 60P resolution***
- ***MHL3.0 (packed pixel) output for MHL3.0 Receiver***
- ***2D/3D DNR (Digital Noise Reduction)***
- ***RS-232 Interface for external control***
- ***DC5V***

### ***Specification for Camera***

# EEM003 Specification

<b>MODEL</b>	<b>EEM003</b>
<b>Sensor Device</b>	<b>Sony 1/2.8" progressive scan CMOS, 2Megapixel</b>
<b>Total Pixels</b>	<b>1952(H) x 1116(V) 2.18 Megapixel</b>
<b>Effective Pixels</b>	<b>1944(H) x 1104(V) 2.14 Megapixel</b>
<b>Scanning System</b>	<b>Progressive Scan</b>
<b>Horizontal</b>	<b>800TVL</b>
<b>S/N Ratio</b>	<b>More than 50dB (AGC Off)</b>
<b>Shutter Speed</b>	<b>1/60s Default,(Long Exposure Mode, ~1Sec)</b>
<b>Video Output</b>	<b>1920 x 1080 60P</b>
<b>Video Output Format</b>	<b>MHL 3.0 packed pixel type</b>
<b>Day &amp; Night</b>	<b>IR CUT Filter built in System</b>
<b>Serial Port</b>	<b>RS232</b>
<b>Lens Control</b>	<b>Motorized Lens Control by stepping Motor. (Simplified Adjustment)</b>
<b>Power Source</b>	<b>DC 5V</b>
<b>Ambient Temperature</b>	<b>-10°C ~ 60°C</b>
<b>ISP output Format</b>	<b>YUV 4:2:2 16bit (BT1120 ,16bit)</b>

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

## **Specification for Lens**

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

- **Dimension**

# **EEM003 Specification**

	<b>Dimension</b>	<b>3D</b>
<b>Front</b>		
<b>Top</b>		
<b>Side 1</b>		
<b>Side 2</b>		
<b>Bottom</b>		