### EEM012-BT1120 Specification

#### \* EEM012-BT1120

# - FULL HD 12xZoom SMART FOCUS BT1120 output format vision Camera



*EEM012-HDSDI* is an BT1120 output format vision camera . With its compact design. *Key Features* 

- Uncompressed high quality FULL HD video with 60 frame rate
- Supported DIS(Digital Image Stablizer)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)
- HD video transmission up to 100M
- 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.)
- DC12V



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#### Specification for Camera

MODEL	EEM012-BT1120
MODEL	
Sensor Device	Sony IMX291 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	1280 x 720 60F, 1920 x 1080 30F, 1920 x 1080 60P (Mode Select)
AV Output	1V p-p Composite. 75 Ohms
Output Format	BT1120 16bit (YUV422)
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
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• Specifications are apt to change without prior notice to enhance quality and performance.

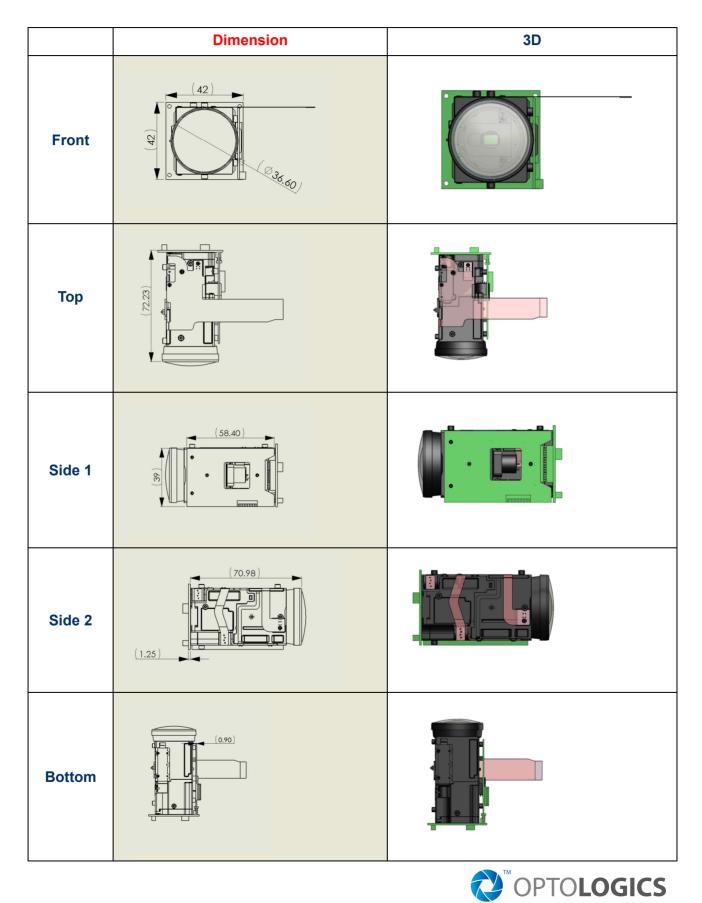
#### Specification for Lens

MODEL	EEM012-HDSDI
Fno	F2.2(Wide) ~ F2.3(Tele))
Effective Focal Length	<i>F</i> =4.8 ~ 57.6mm (Zoom Ration = 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



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