

EIA Standard Output Camera can be shown directly on TV monitor. (BE20A, BE30A Model)

Specifications

ITEM	MV-BE20A	MV-BE30A	Remarks
CCD Size (Number of Pixels)	1/2" (811 x 508)	1/3" (811 x 508)	Total Pixels
Effective Pixels (Video Outputs)	768 x 494		
Pixel Size	8.4 μ m x 9.8 μ m	6.35 μ m x 7.04 μ m	
Max. Frame Rates	60 fields/sec 120 fields/sec		Normal Speed Double Speed
Video Output Type	1 Vpp Analog Composite Signal		
Mount	C Mount		
Synchronization	Internal/External/Trigger		Selectable HD Based Genlock (\pm 5%)
Sync Level(HD/VD)	Input : 3 ~ 5Vpp, TTL input Output : 5V Level		
Scanning System Frequency (Horiz./ Vert./ Pixels)	60 fields : 15.734KHz/59.94Hz/14.318MHz 120 fields : 31.468KHz/119.88Hz/28.636MHz		
Exposure Trigger Control	Positive and rising mode		TTL Input (0 ~ 3/5Vpp)
Shutter Control	OFF, 1/125, 1/250, 1/500, 1/1000, 1/2000, 1/4000, 1/10000sec		Selectable
Minimum illumination	F1.4 0.5lx	F1.4 1.0lx	Gain Max at 501RE
Horizontal resolution	570 TV-line		
S/N ratio	56dB(Gain 0dB)		
Optical Axis Accuracy	Pixel Center \pm 0.1mm		
Gain and Offset	Manual (0dB~12dB)		Manual Gain Control
Power Requirements	12V DC (\pm 10%)		Less than 15V
Power Consumption	2.0W	1.8W	
Operating Temperature & Humidity	-5 ~ 45 , 20~80%(0 ~ 40 , 20~80%)		(Performance assurance)
Storage Temperature & Humidity	-25 ~ 60 , 20~80%		Operating guaranteed
Housing Size	29mm x 29mm x 29mm		Excepted Mount
Weight	approx. 44g		

Descriptions

- Mini size
- SONY CCD of 400K pixels
- Black & White(B/W), Analog output
- Double Speed Support
- Electronic Shutter Function
- Internal / External / Trigger sync.
- Field & Frame mode Support

Application

- Industrial Inspection Machines
- Semiconductor Equipments
- Vision Systems

Crossline function is Implemented by camera itself

