



Analog Camera

Specifications

ITEM	MV-BS20A	MV-BX30A	Remarks
CCD Size (Number of Pixels)	1/2" (1434 x 1050)	1/3" (1077 x 788)	Total Pixels
Effective Pixels (Video Outputs)	1360 x 1040	1024(H) x 768(V)	
Pixel Size	4.65 μ m x 4.65 μ m	4.65 μ m x 4.65 μ m	
Max. Frame Rates	15 Frames/sec 30 Frames/sec	30 Frames/sec 60 Frames/sec	Full Screen 1/2 Screen
Video Output Type	1 Vpp Analog Composite Signal		
Mount	C Mount		
Synchronization	Internal/External/Trigger		Selectable HD Based Genlock (\pm 5%)
Sync Level	Input : 3 ~ 5Vpp, TTL input Output : 5V Level		
Scanning System Frequency (Horiz./ Vert/ Pixels)	15 F : 16KHz/15Hz/28.636MHz (1790clk, 1068HD) 30 F : 16KHz/30Hz/28.636MHz (1790clk, 534HD) 60 F : 16KHz/59.9Hz/28.636MHz (1790clk, 267HD) 90 F : 16KHz/90Hz/28.636MHz (1790clk, 178HD)	30 F : 23.6KHz/30Hz/28.636MHz (1270clk, 792HD) 60 F : 23.6KHz/60Hz/28.636MHz (1270clk, 396HD) 90 F : 23.6KHz/90Hz/28.636MHz (1270clk, 264HD) 120 F : 23.6KHz/120Hz/28.636MHz (1270clk, 198HD)	
High Frame rates Read (V scan/Rates/V effect)	Full : 1068 Lines/15fps/1040 Lines 1/2 : 534 Lines/30fps/465 Lines 1/4 : 267 Lines/60fps/169 Lines 1/6 : 178 Lines/90fps/ 72 Lines	Full : 792 Lines/30fps/768 Lines 1/2 : 396 Lines/60fps/342 Lines 1/3 : 264 Lines/90fps/199 Lines 1/4 : 198 Lines/120fps/122 Lines	fps : Frames
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 1lx(1/15sec)	F1.4 2lx(1/30sec)	Gain Max at 50 IRE
Horizontal resolution	1040 TV-line	768 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%		
Housing Size	29mm x 29mm x 29mm		Excepted Mount
Weight	approx. 44g		

Descriptions

- Mini size
- SONY CCD of 140M pixels or 80M pixels
- Black & White(B/W), Analog output
- Electronic Shutter Function
- Internal / External / Trigger sync.
- high speed Read out function(external control available)
- Binning function

Application

- Industrial Inspection Machines
- Semiconductor Equipments
- Vision Systems