

Specifications

ITEM	MV-BV20A	MV-BV30A	Remarks
CCD Size (Number of Pixels)	1/2" (692(H) x 504(V))	1/3" (692(H) x 504(V))	Total Pixels
Effective Pixels (Video Outputs)	659(H) x 494(V)		
Pixel Size	9.9 μ m x 9.9 μ m	7.4 μ m x 7.4 μ m	
Max. Frame Rates	60 Frames/sec 120 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)	60F: 31.468kHz/59.94Hz/24.545MHz (780clk, 525HD) 120F: 31.468kHz/119.88Hz/24.545MHz (780clk, 262HD) 180F: 31.468kHz/179.81Hz/24.545MHz (780clk, 175HD) 240F: 31.468kHz/240.21Hz/24.545MHz (780clk, 131HD)		
High Frame rates Read (V scan/Rates/V effect)	Full: 525lines/60fps/492lines 1/2: 262lines/120fps/239lines 1/3: 175lines/180fps/148lines 1/4: 131lines/240fps/102lines		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 1.0lx(1/60sec)		Gain Max at 50IRE
Horizontal resolution	500TV-line		
S/N ratio	58dB(Gain 0dB)		
Optical Axis Accuracy	Pixel Center \pm 0.1mm		
Gain and Offset	Manual (0dB~18dB)		Manual Gain Control
Power Requirements	12V DC (\pm 10%)		Less than 15V
Power Consumption	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		

Dimension

