

# High Speed Camera



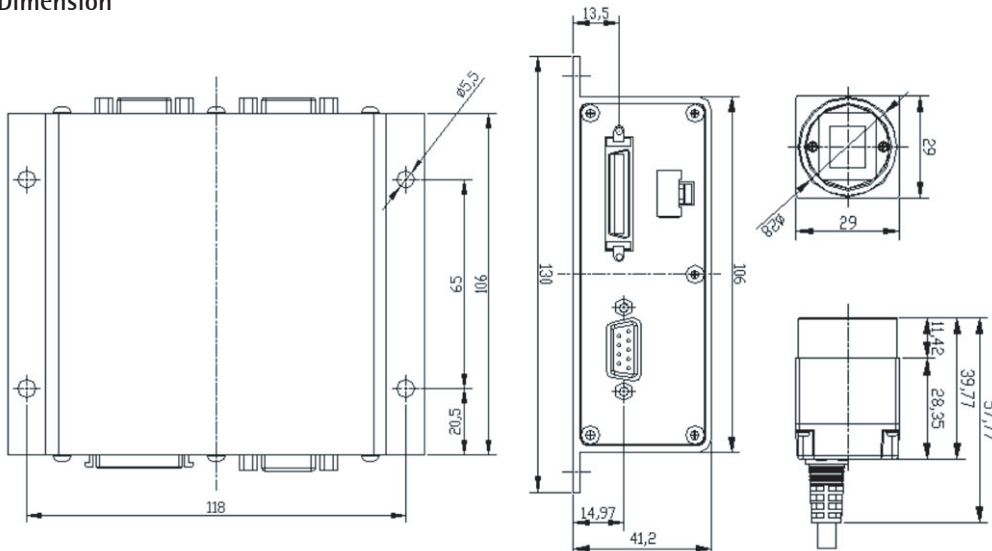
The HV-Series of High-speed frame camera with VGA resolution adopts CCD Head which provides high speed output of Max.110 Frame/sec. The CCU provides 8 Bit Digital LVDS output and control port for RS-422 & RS-232 as well. So its convenience has improved more. Also it can make you very satisfied with just 1 CCU for using 2 of CCD Heads. HV-Series brings you the best competitive Vision Solutions to get the maximum effectiveness in the minimum space.

HV-B110V-LS(LD) / HV-B080V-LS(LD)

## Specifications

ITEM	HV-B110V-LS(LD)	HV-B080V-LS(LD)	Remarks
Sensor	1/3" Progressive CCD		
Image Size	5.92mm (5.87mm x 4.71mm)		Diagonal
Total Pixel	696(H) x 492(V)		
Effective Pixel Numbers	640(H) x 480(V)		VGA
Pixel Size	7.4(H) x 7.4(V) um		
Output Sensitivity	30μV/e		Single Output
Sync Output	Line Enable (LE) : 59KHz Frame Enable (FE) : 80Hz		Option : 110 Hz
Pixel Clock	Max. 40MHz (110 Frames)	Max 28.636MHz (80 Frames)	
Min. Illumination	2Lux at 110Hz		F 1.4
Video Output Type	EIA-644		LVDS
Video Output Format	8bit outputs from 10bit A/D		Digital LVDS
Gain	6 ~ 30dB(Manual)		by RS-232C
Gamma	1.0		
Lens Mount	C mount		
Power Requirements	< 500mA / 12V		1ch 380mA
Operating Temperature	-10 °C ~ +50 °C		Typ. 0 °C ~ +40 °C
Operating Humidity	20% ~ 80%, No Condensation		
Storage Temperature	-20 °C ~ 60 °C		
Storage Humidity	20% ~ 80%, No Condensation		
Size	Head : 29 x 29 x 40 mm CCU : 104 x 106 x 35.2 mm		
Connector	Head - CCU : 1.2M CCU - F.G. : EIA-644		exclusive Cable
Cable Length / Thickness	1.2Mm / < 5.0mm		Diameter 5mm
Head	S : Single Head, D : Dual Head		HV-B40V

## Dimension



## Descriptions

- Resolution : VGA (Affective Pixel 640 x 480 )
- CCD Head of High speed output with Max. 110 Frames/sec (or 80 Frames/sec)
- 2 Head-separated Camera
- 1/3 inch. monochrome CCD adopted
- Pixel Size : 7.4μm x 7.4μm
- 8 Bit LVDS Digital Output ( 1 ch)
- RS-422 Serial control (Option : RS-232)
- Binning Function