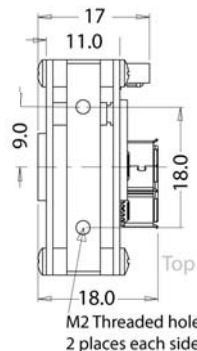
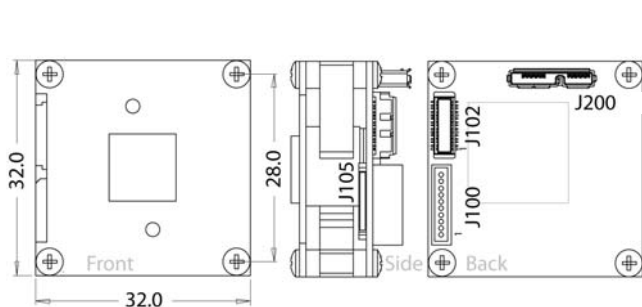


Product Features

- USB3 AND Digital 10 bit parallel (BT1120) outputs concurrently or individually
- Global Shutter mitigates loss of information or "blur" due to motion in scene
- Binning/Skipping/ Region of Interest
- 1.2MP Square Pixels / Progressive Scan
- Near IR Sensitivity to 1.1 Micron
- Industrial Grade Sensor assures Long Life & Reliability



USB 3.0 Shown with optional lens



J102 – Molex- 501920-3001	
01 GND	02 GND
03 Y0	04 UV0
05 Y1	06 UV1
07 Y2	08 UV2
09 Y3	10 UV3
11 Y4	12 UV4
13 Y5	14 UV5
15 Y6	16 UV6
17 Y7	18 UV7
19 CLOCK	20 UV8
21 Reserved	22 GND
23 HREF	24 VREF
25 Y8	26 UV9
27 I2C-SDA	28 I2C-SCL
29 Y9	30 VIN(+5V)

J100 JST-BM10B-SRSS-TB	
01 GPIO0	
02 GPIO1	
03 GPIO2	
04 GPIO3	
05 GPIO4	
06 GPIO5	
07 GPIO6	
08 GPIO7	
09 GND	
10 +5V	

USB 3.0

USB 3.0 Micro-B

Technical Specifications

Electrical	25B1.2XU3
Image Sensor	CMOS 1/3" 1.2MP
Recording Pixels	1280 x 960
Pixel / Image Size	3.75µm
Scanning System	Progressive
Shutter Type	Global Shutter, automatic/fixd
Resolution / Frame Rate	1.2MP (1280x960) 54/50/30/25 fps 720P (1280x720) 72/60/50/30/25 fps VGA (640x480) 106/100/60/50/30/25 fps
Pixel Clock Rate	74.25MHz
Sensitivity	< 0.1 Lux
Signal to Noise Ratio	40.7dB
Gain	Fixed / auto
BLC	On / Off weighted regions
Gamma	Range from 0.45 - 1.00
Edge Enhancement	On / Off
Synchronization	Internal
Mirror/Flip	Horizontal & Vertical On/Off
Video Output	Digital: Y/out (10-bits @ 74.25MHz) USB3.0 output: 8 bits
Supplied Voltage	+4.5 – 5.5V
Current Drawn	305mA (@5V)
Power Consumption	1.53W (max 1.75W)
Communication	I ² C
Dynamic Range	71.1dB linear

I²C Communication Kit

60C6-K	Software control I ² C program kit includes: I ² C board, Program cable, Camera control software
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Environmental

Operating Temperature	-15°C ~ 60°C (5°F ~ 131°F)
Operating Humidity	20% ~ 90%
Storage Temperature	-40°C ~ 80°C (-40°F ~ 176°F)
Storage Humidity	30% ~ 90%
Lifetime MTBF	> 150,000 hrs.
Packaging	ESD safe package

Mechanical

Dimensions (WxHxD) (no lens mount)	32mm x 32mm x 20mm (1.26" x 1.26" x 0.8")						
Weight	40g (1.4oz) (no lens mount)						
Lens Mounts	Replace "X" in model number with desired lens:						
Example: Change 25B1.2XU3 to 25B1.25U3 to select an M-12 board mount.	<table border="1"> <thead> <tr> <th>2 = Metal M-12 Pinhole</th> <th>5 = Metal M-12 Board</th> <th>8 = Metal CS Board</th> </tr> </thead> <tbody> <tr> <td></td> <td></td> <td></td> </tr> </tbody> </table>	2 = Metal M-12 Pinhole	5 = Metal M-12 Board	8 = Metal CS Board			
2 = Metal M-12 Pinhole	5 = Metal M-12 Board	8 = Metal CS Board					
Connectors							
J100	JST-BM10B-SRSS-TB	GPIO/ Power (10pin)					
J102	Molex-501920-3001	Digital Video Output (30pin)					
USB		USB 3.0 Micro-B					

Optional Model

25B1.2X-DIG	Single digital video output version Please contact a Videology sales representative for details
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