

VIDEOLOGY®

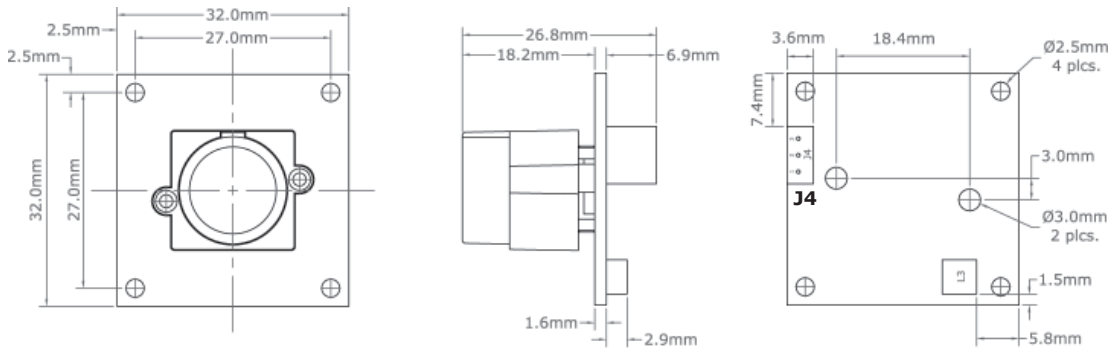
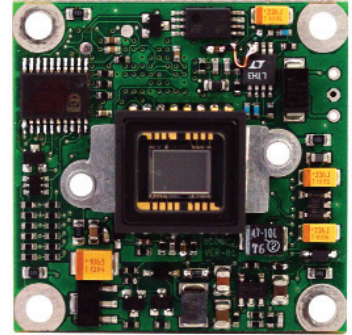
IMAGING SOLUTIONS INC.
Original Equipment Manufacturer

1/3" CCD Color Board Camera Blue Sky Series

20D20X/21D20X

Product Features

- 1/3" Color Sharp CCD (480 TVL)
- 0.5 lux sensitivity
- Miniature 32mm x 32mm single board camera
- Many options available with 8-pin connector (using alternate models listed below)
 - Sony Ex-View® Color High Resolution CCD (Sensitivity To 0.05 Lux)
 - Balanced video output for CAT5/CAT6 transmission (via 8-pin connector)



J4 Pin Out Configuration

- 1 Video
- 2 GND
- 3 Power

Technical Specifications

	20D20X NTSC	21D20X PAL
Electrical	1/3" Sharp IL CCD	
Image Sensor	1/3" Sharp IL CCD	
Picture Elements	768 x 492	752 x 582
Resolution	480 TVL	
Sensitivity	< 0.5 Lux (50 IRE) f1.2, 32000K	
Signal To Noise Ratio	>48 dB (AGC off)	
Gamma	0.45	
Gain Control	AGC 36dB	
Synchronization	Internal (crystal controlled)	
Scan Mode	Interlaced	
Backlight Compensation	Default on	
White Balance	AWB	
Contour Enhancement	On	
Iris Controls	Electronic	
Shutter Speed	1/60 to 1/100,000	1/50 to 1/100,000
Video Output	Composite 1Vp-p (75 ohms)	
	20/21D20XB - Balanced Video Output	
Power Supply	+12VDC (+10% / -20%)	
Power Consumption	< 1.0W	

Environmental

Operating Temperature	-15° C ~ 55° C (5° F ~ 131° F)
Operating Humidity	20 to 93% RH
Storage Temperature	-30° C ~ 80° C (-22° F ~ 176° F)
Storage Humidity	Up to 98% RH
Lifetime	MTBF >150000 hours
Packaging	Metallized, conductive bags

Warning: Avoid aiming the camera at the sun or other extremely bright lights. The CCD image sensor may be damaged if exposed to very bright objects.

Mechanical

Dimensions W x H x D	32mm x 32mm x 26.8mm (1.26" x 1.26" x 1.05")		
Weight	8.9g (0.020 lbs)		
Lens Mounts	Replace "X" in model number with desired lens: Example: Change 20K13XDIG to 20K135DIG to select an M-12 board mount.		
	2 = Metal M-12 Pinhole	5 = Metal M-12 Board	8 = Metal CS Board

I²C Communication Kit (Optional)

60D2	Software control I ² C program kit includes:
60D2-U (USB version)	I ² C board, Program cable, DB25 serial cable (or USB cable), Camera control software

Accessories

Included	70V0213	J4 cable 3 pin AMP unterminated
Optional	60C0002-F	J4 cable 3-pin AMP with power & BNC (video)

Optional Models (Minimum 100 Piece Lot Size Required)

20/21D20XB	Balanced video output via 8-pin connector
20/21D20XS	Sony Ex-View®, color high resolution CCD (sensitivity to 0.05 lux), composite output, I ² C OEM control via 8-pin connector

X = lens mount option (refer to Mechanical)
Please contact your Videology sales representative for details.

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All data subject to change without notice.

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