

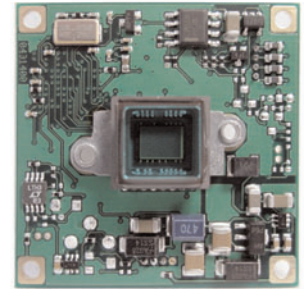


### Camera Features

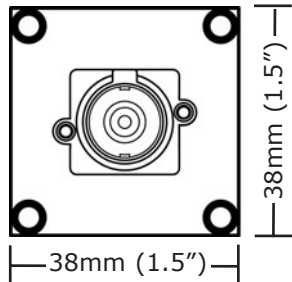
- 1/3" Color CCD (540 TVL)
- 0.35 Lux Sensitivity
- 38mm x 38mm Single Board Camera
- DC Auto Iris

### Options

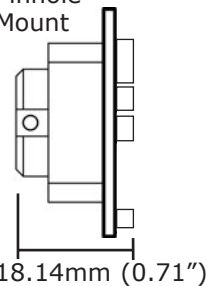
- (Min 100 Piece Lot Size Required)
  - Sony Ex-View® Color High Resolution CCD (Sensitivity To 0.05 Lux)
  - Balanced Video Output For CAT5/CAT6 Transmission
  - Audio\*



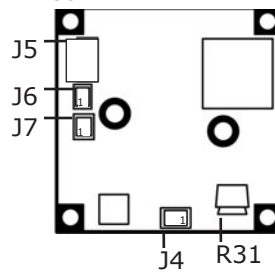
Front



Pinhole Mount



Rear



R31	ALC / POT	right angle mount
J4	Video / Power	3 pin/ (4 pin balanced video)
J5	Auto Iris-DC	4 pin
J6	Mic IN	2 pin (optional)
J7	Audio OUT	2 pin (optional)

#### J4 Pin Out Configuration

- 1 12VDC In
- 2 GND
- 3 CVBS
- 4 Differential (+)OUT / (-)OUT

### Technical Specifications

Electrical	20D10XN	21D10XN
	NTSC	PAL
Image Sensor	1/3" IL CCD	
Picture Elements	768 x 492	752 x 582
Resolution	540 TVL	
Sensitivity	0.35 Lux @ 50 IRE	
Signal To Noise Ratio	>48 dB (AGC off)	
Gamma	0.45	
Gain Control	AGC 36dB	
Synchronization	Internal (crystal controlled)	
Scan Mode	Interlaced	
Backlight Compensation	On (off via jumper)	
White Balance	AWB	
Contour Enhancement	On	
Iris Controls	Electronic/DC auto iris (auto detect)	
Video Output	Composite 1Vp-p CVBS @75 ohms Balanced video output option @ 100 ohms (20D10XB)	
Power Supply	+12VDC (+/- 10%)	
Power Consumption	< 1.0W	

### Environmental

Operating Temperature	-15° C ~ 55° C (5° F ~ 131° F)
Storage Temperature	-30° C ~ 80° C (-22° F ~ 176° F)
Operating Humidity	20 to 93% RH
Storage Humidity	Up to 98% RH
Lifetime	MTBF > 150000 hours
Packaging	Metalized, 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	38mm x 38mm x 18.14mm (1.5" x 1.5" x 0.71") with pinhole mount		
Weight	9.5g (0.021 lbs)		
Lens Mount	Replace "X" in model number with desired lens mount option:		
Example: Change 20D10XN to 20D105N to select an M-12 Board Mount.	2 = Metal M-12 Pinhole	5 = Metal M-12 Board 6 = Metal M-14 Board	8 = Metal CS

### Accessories

Cable (J4)	60C1026	3-pin molex unterminated
Power Board (optional)	60PB24VS	24VAC board (42mm x 42mm)

### Models (Minimum 100 Piece Lot Size Required)

20/21D10XS	Sony Ex-view® CCD
20/21D10XNB	Balanced video output
20/21D10XNA*	Audio

X = lens mount option (refer to Mechanical)

\* Audio option: Equipment with audio recording capabilities is intended to be used only for legal and proper purposes. The customer assumes all liability related to legal and proper use per VIS waiver FOR-03-021.

