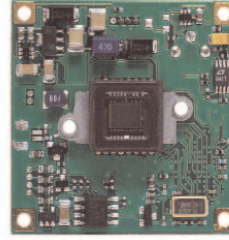


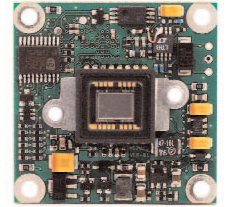


Technical Specifications - All Standard Models

- **1/3" CCD**
1/3" IL CCD (Color)/ 1/3" Sony Ex-View® CCD (B&W)
- **Single Board Cameras**
- **Signal To Noise Ratio**
>48dB (AGC Off)
- **Gamma 0.45**
0.45 (1.0 Selectable Via Software) model 20D35XO
- **Internal Synchronization**
- **Internal Scan Mode**
- **Backlight Compensation & Contour Enhancement**
- **Power Supply 12VDC (+10%/-20%)**
Power Consumption <1.0W



20D10X / 20D11X
38mm x 38mm



20D20X / 20D35X
32mm x 32mm

Technical Specifications - Model Specific

Color

20D10X / 21D10X High Resolution (38mm x 38mm)

Resolution	480 TVL
Sensitivity	0.5 Lux (50 IRE) f1.2 3200°K
White Balance	AWB
Video output	Composite 1Vp-p CVBS (75 ohms) 20/21D10XB - Balanced Video Output 20/21D10XA - audio option
Iris Controls	DC auto / electronic

20D11X / 21D11X Standard Resolution (38mm x 38mm)

Resolution	V 420 TVL / H 330 TVL
Sensitivity	0.39 Lux (30 IRE) f1.2, 0.75 Lux (50 IRE) f1.4
White Balance	AWB
Video output	Composite 1Vp-p CVBS @75 ohms 20/21D11XB - Balanced Video Output
Iris Controls	Electronic

20D20X / 21D20X High Resolution (32mm x 32mm)

Resolution	480 TVL
Sensitivity	0.5 Lux (50 IRE) f1.2 3200°K
White Balance	AWB
Video Output	Composite 1Vp-p CVBS (75 ohms) 20/21D20XB - Balanced Video Output 20/21D20XS - Sony Ex-View CCD
Iris Controls	Electronic

B&W

20D35X / 21D35X High Resolution (32mm x 32mm)

Resolution	570 TVL, Sony Ex-View®
Sensitivity	<0.005 Lux (50 IRE) f1.2 3200°K
Video output	Composite 1Vp-p CVBS (75 ohms) 20/21D35XB - Balanced Video Output
Iris Controls	Electronic

20D35XO / 21D35XO High Resolution (32mm x 32mm) Aerospace Grade & 8-pin Connector

Resolution	570 TVL, Sony Ex-View®
Sensitivity	<0.005 Lux (50 IRE) f1.2 3200°K, lens transmission 80%, scene reflection 75%
Video output	Composite 1Vp-p CVBS (75 ohms) 20/21D35XOB - Balanced Video Output
Iris Controls	Electronic
Grounding	DC or chassis grounding option (default chassis grounding)

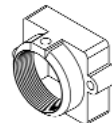
Lens Mount Options

Replace "X" in model number with desired lens mount option:

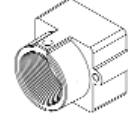
Lens mounts	8	= Metal CS
	5	= Metal M-12 board
	2	= Metal M-12 pinhole

For example: change 20D10X to 20D105 to select an M-12 Board Mount.

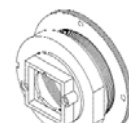
Metal Pinhole
M-12 Mount



Metal M-12
Board Mount



Metal CS
Board Mount



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.