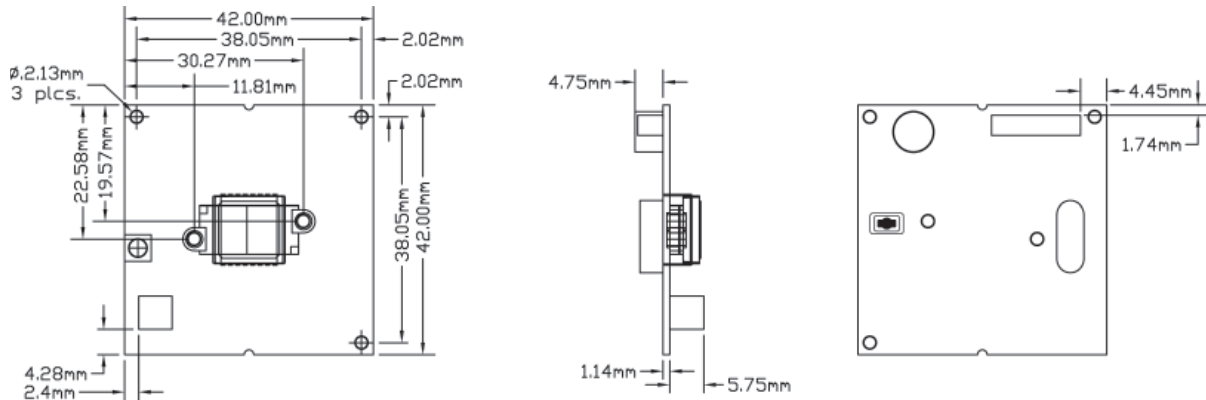
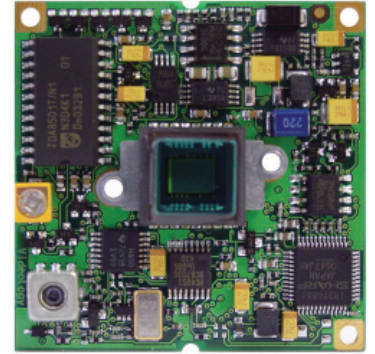


Camera Features

- High Resolution 460 TVL
- Push White Balance
- Internal Sync
- Backlight Compensation
- Mirror Mode



Technical Specifications

Electrical	20D436	21D436
	20D439	21D439
	NTSC	PAL
Image Sensor	1/3" IL CCD	
Active Pixels (H x V)	768 x 492	752 x 582
Horizontal Resolution	460 (TVL)	
Sensitivity	0.5 Lux (50 IRE) F1.2, 32000 K, lens transmission 80%, scene reflection 75%	
Signal to Noise Ratio	> 48 dB (AGC off)	
Gamma	Default 0.45	
Gain	Automatic (36 dB default)	
Synchronization	Internal	
Back Light Compensation	Off (Default) hardware/ software select	
White Balance	Push to set and auto, software select	
Shutter Speed	Automatic from 1/60 to 1/100,000	Automatic from 1/50 to 1/100,000
	Fixed shutter hardware/ software select	
Mirror Mode	On/Off selectable via software	
Iris	CCD Iris default / video iris	
Video Output	1Vp-p video 75 ohms composite	
Power Supply	12VDC (+3 -4) (Polarity protected)	
Power Consumption	1.7W excluding: auto iris power consumption	

Board Mount Lens Options

Specify "L3" suffix for 2.9mm lens (example: 20D436L3)

L4	3.6mm
L6	6mm
L8	8mm
L12	12mm
VA	4-9mm No Iris, Varifocal
VB	4-9mm DC Iris, Varifocal
WA	2.6-6mm No Iris, Varifocal
WB	2.6-6mm DC Iris, Varifocal

Environmental

Operating Temperature	15° C ~ 55° C (5° F ~ 131° F)
Storage Temperature	-25° C ~ 70° C (-13° F ~ 158° F)

Mechanical

Dimensions WxHxD	42mm x 42mm x 25mm (1.65" x 1.65" x 0.98")	
Lens Mount	20D436 / 21D436	Metal M-12 board lens mount with reference plate 12mm diameter, 0.5mm pitch
	20D439 / 21D439	Metal CS mount with reference plate: Optional C mount with interface ring 60VZZ0030
Interfaces	13 Pin JST	

Accessories

Optional	24VAC power board
	60C1035 - 13pin JST to 2.1mm jack and BNC

1/09/10 PDS-20D43X Rev J

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All data subject to change without notice.