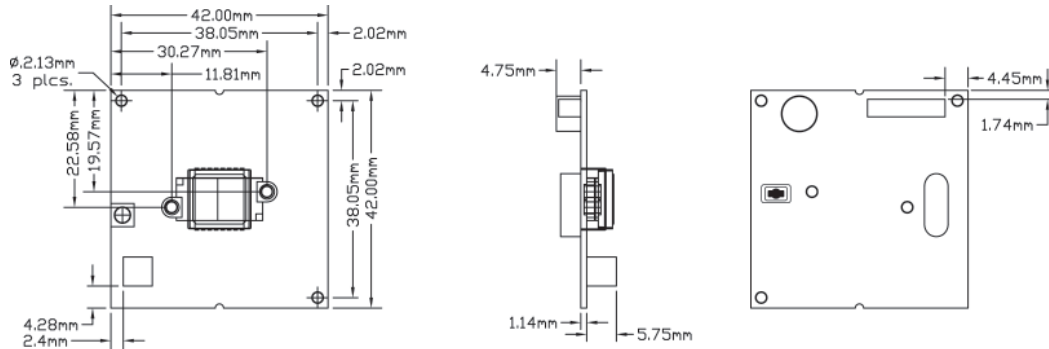
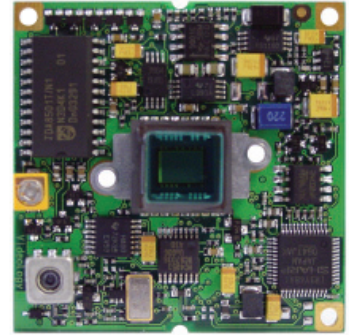


Product Features

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



Technical Specifications

Electrical	20D436	21D436
	20D439 NTSC	21D439 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	
Environmental		
Operating Temperature	15° C ~ 55° C (5° F ~ 131° F)	
Storage Temperature	-25° C ~ 70° C (-13° F ~ 158° F)	

Mechanical

Dimensions W x H x D	42mm x 42mm x 25mm (1.65" x 1.65" x 0.98")	
Weight		
Lens Mounts	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
Board Mount Lens Options	L4	3.6mm
	L6	6mm
	L8	8mm
	L12	12mm
Specify "L3" suffix for 2.9mm lens (Example: 20D436L3)	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
Interfaces	13 Pin JST	

I²C Communication Kit (Optional)

60D4	Software control I ² C program kit includes:
60D4-U (USB version)	I ² C board, Program cable, DB25 serial cable (or USB cable), Camera control software
	Note: Must be ordered with I ² C models

Accessories

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