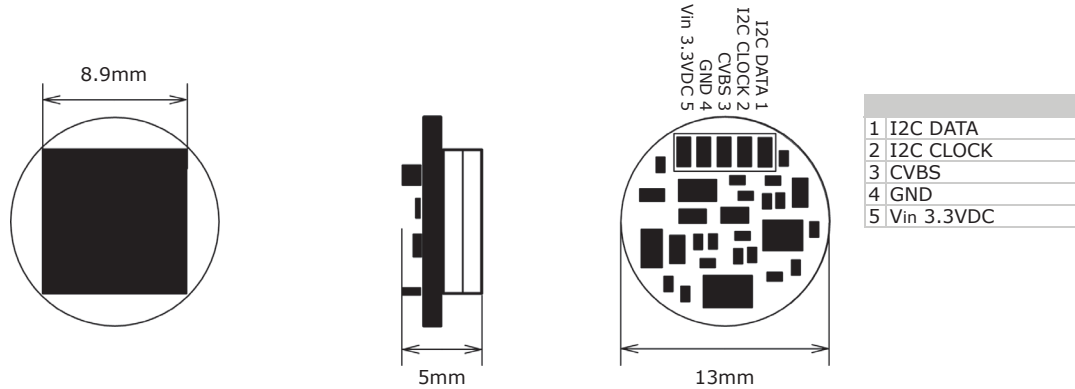
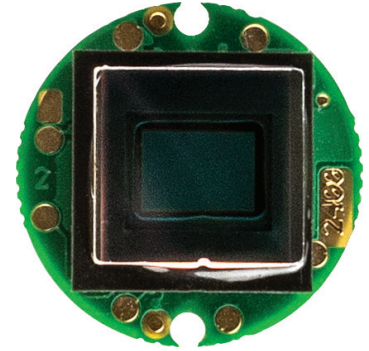


### Product Features

- 1/4" industrial grade CMOS sensor
- Power input 3.2VDC – 3.8VDC (max)
- Low power <1Watt
- High sensitivity (0.3 lux)
- Ultra mini 13mm round board



### Technical Specifications

<b>Electrical</b>	20RD45S	21RD45S
	NTSC	PAL
Image Sensor	1/4" CMOS	
Active Pixels (HxV)	640 x 480	
Pixel Size	5.6µm x 5.6µm	
Sensitivity	<0.025 (50 IRE) F1.2	
Signal To Noise Ratio	46dB (AGC on)	
Gamma	.45 default	
Gain	Automatic 36dB (default)	
Synchronization	Internal	
Back Light Compensation	Default Off	
White Balance	AWB (default)/fixed (selectable via I²C software)	
Shutter Mode	Electronic Rolling Shutter	
Scan Mode	Interlaced	
Shutter Speed	Auto exposure	
Contour Enhancement	Default on	
Mirror Mode	Yes (selectable via I²C software)	
Horizontal Flip	Yes (selectable via I²C software)	
Dynamic Range	73.4 dB	
Iris Controls	Electronic (No DC signal)	
Electronic Iris	Yes	
Video Output	CVBS (75 Ohms)	
Power Input	3.2VDC – 3.8VDC (max)	
Power Consumption	<1Watt	
Communication Control	Serial I²C	

### Environmental

Operating Temperature	-30°C ~ 65°C (-22°F ~ 149°F)
Operating Humidity	20% ~ 93% RH
Storage Temperature	-35°C ~ 80°C (-31°F ~ 176°F)
Storage Humidity	Up to 98% RH

### Mechanical

Dimensions Ø x D	13mm x 5mm (0.51" x 0.196")
Weight	g ( oz)
Lens Mount	No mount

### I²C Communication Kit (Optional)

Software control I²C program kit includes:	
60B6-U (USB version)	I²C board, Program cable, USB cable, Camera control software

### Approbations

	RoHS
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### Optional Model

	20/21RD45	mini 17mm round board
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