

1 / 3" COLOR CMOS SENSOR SPECIFICATIONS

With IR

Image Device: OV7949

TV System: PAL / NTSC

Effective Pixels: 628 x 586 pixels / 510 x 496 pixels

Sensing Area: 5.961mm x 4.276mm

Scanning System: 2:1Interlace

Sync. System: Internal

Resolution: 420TV lines

Minimum Illumination: 0Lux/ F=2.0

Video Output: 1.0vp-p, 75Ohm

Gamma Consumption: 0.45

AGC: Auto

S/N Ratio: Better than 48dB

White Balance: Auto

Electronic Shutter: 1/50Sec-12.5μSec (PAL) / 1/60Sec-12μSec (NTSC)

BLC: Auto

Current Consumption: Max. 60mA

Power Supply: DC12V

Operating Temperature: -40°C~+105°C,RH95%

Lens: 3.6mm(P) / 2.9mm(N) F = 2.0

Lens Angle: 119°(P)/ 117°(N)

1 / 3" CMOS SENSOR SPECIFICATIONS

With IR

Image Device: OV7910

TV System: PAL / NTSC

Effective Pixels: 628 x 582 pixels / 510 x 492 pixels

Sensing Area: 5.78mm x 4.19mm / 4.69mm x 3.54mm

Scanning System: 2:1Interlace

Sync. System: Internal

Resolution: 380TV lines

Horizontal Sync. Frequency: 15.625KHz / 15.734KHz

Vertical Sync. Frequency : 50Hz / 60Hz

Minimum Illumination: 0Lux/ F2.0

Video Output: 1.0vp-p, 75Ohm

Microphone: Optional

Gamma Consumption: 0.45

AGC: Auto

S/N Ratio: Better than 48dB

White Balance: Auto

Electronic Shutter: 1/60~1/15,000 Seconds

BLC: Auto

Current Consumption: 200mA

Power Supply: DC12V

Operating Temperature: $-10^{\circ}\text{C}\sim 46^{\circ}\text{C}$, RH95% MAX

Storage Temperature: $-30^{\circ}\text{C}\sim 60^{\circ}\text{C}$, RH95% MAX

Lens: 3.6mm(P) / 2.9mm(N) F = 2.0

Lens Angle: $119^{\circ}\text{(P)} / 117^{\circ}\text{(N)}$

1/4" CMOS SENSOR SPECIFICATIONS

With IR

Image Device: OV7950

TV System: NTSC

Effective Pixels: 656 x 492 pixels

Sensing Area: 4.080mm x 3.102mm

Scanning System: 2:1Interlace

Sync. System: Internal

Resolution: 420TV lines

Minimum Illumination: 0Lux/ F=2.0

Video Output: 1.0vp-p, 75Ohm

Microphone: Optional

Gamma Consumption: 0.45

AGC: Auto

S/N Ratio: Better than 48dB

White Balance: Auto

Electronic Shutter: 1/60~20 μ Seconds

BLC: Auto

Current Consumption: 75mA

Power Supply: DC12V

Operating Temperature: $-20^{\circ}\text{C}\sim 80^{\circ}\text{C}$, RH95% MAX

Storage Temperature: $-40^{\circ}\text{C}\sim 100^{\circ}\text{C}$, RH95% MAX

Lens: 2.1mm / F = 2.0

Lens Angle: 164°

1/3" COLOR CCD SENSOR SPECIFICATIONS

With IR

Image Device: SHARP

TV System: PAL / NTSC

Effective Pixels: 512 x 582 pixels / 512 x 492 pixels
Sensing Area: 4.9mm x 3.7mm
Scanning System: 2:1Interlace
Sync. System: Internal
Resolution: 420TV lines
Horizontal Sync. Frequency: 15.625KHz / 15.734KHz
Vertical Sync. Frequency: 50Hz / 60Hz
Minimum Illumination: 0 Lux/F2.0 with IR
Microphone: Optional
Video Output: 1.0vp-p, 75Ohm
Gamma Consumption: 0.45
AGC: Auto
S/N Ratio: Better than 48dB
White Balance: Auto
Electronic Shutter: 1/60(NTSC) / 1/50(PAL) ~ 1/10,000 Seconds
BLC: Auto
Current Consumption: Max. 300mA
Power Supply: DC12V
Operating Temperature: -20° C~70° C , RH95% MAX
Storage Temperature: -40° C~80° C, RH95% MAX
Lens: f=1.7mm F = 2.0
Lens Angle: 170°

1 / 3" B/W CCD SENSOR SPECIFICATIONS

WITH IR

Image Device: SHARP
TV System: CCIR / EIA
Effective Pixels: 512 x 582 pixels / 512 x 492 pixels
Sensing Area: 4.9mm x 3.7mm
Scanning System: 2:1Interlace
Sync. System: Internal
Resolution: 420TV lines
Minimum Illumination: 0Lux / F 2.0
Horizontal Sync. Frequency: 15.625KHz / 15.734KHz
Vertical Sync. Frequency: 50Hz / 60Hz
Video Output: 1.0vp-p, 75Ohm
Gamma Consumption: 0.45
AGC: Auto
S/N Ratio: Better than 48dB
White Balance: Auto
Electronic Shutter: 1/50(CCIR) / 1/60(EIA) ~ 1/10,000 Seconds



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BLC: Auto

Current Consumption: Max. 110mA

Power Supply: DC12V

Operating Temperature: -20° C~70° C , RH95% MAX

Storage Temperature: -40° C~85° C, RH95% MAX

Lens: f=1.7mm F = 2.0

Lens Angle: 170°