

## Double Speed Progressive Scan Machine Vision Camera



The STC-1100 series industrial monochrome high speed machine vision camera provides excellent performance for machine vision solutions. This compact camera features high quality reproduction, four scanning modes, normal or double speed, a 1/3" high resolution VGA CCD, Dual Triggers, Rapid Reset, electronic shutter to 1/10,000 of a second normal speed and 1/20,000 of a second in double speed, HD/VD external sync input / output, random shutter trigger and a 12 pin connector for easy access of power, video signal and sync signals.

### Features:

- Four Scanning Modes 2:1 / Progressive
- Normal Speed / Double Speed
- 1/3" IT VGA CCD, 659(V) x 494(H)
- Electronic Shutter
- External Sync, (HD/VD)in/out
- Small size, Lightweight
- Dual Triggers
- Square Pixels
- 495 TV Lines
- Random Trigger Shutter
- Rapid Reset
- 12 pin Connector
- 56dB S/N Ratio
- 1 Lux normal speed, 2 Lux double speed
- Gamma 0.45 or 1
- 12VDC

# STC-1100 Progressive Scan Camera

## Technical Specifications

### STC-1100 Series

- 659(H) x 494(V) 1/3" VGA IT CCD
- Horizontal Frequency: 12.2727Mhz (Normal Speed), 24.5454Mhz (Double Speed)
- Vertical Frequency: 15.734KHz (Normal Speed), 31.468KHz (Double Speed)
- Sync System: Internal or HD/VD
- Square Pixel: 7.4µm square
- Random Shutter Trigger
- Dual Triggers: One-Pulse Variable Integration Shutter Trigger  
Two-Pulse Variable Integration Shutter Trigger  
Vertical Drive Reset
- 2:1 Interlace or Progressive
- Horizontal & Vertical Resolution: 495 Lines
- Minimum Illumination: 1 Lux (Normal Speed), 2 Lux (Double Speed) F1.4
- S/N Ratio: More than 56dB
- C Mount
- Gamma: 0.45 / 1.0
- Pixel Clock Out
- Gain: Fixed, Manual Adjust, AGC
- Electronic Shutter 1/60-1/10,000 sec (Normal Mode) 1/120-1/20,000 (Double Speed)
- Video Output: 1.0p-p 75 ohms
- 12 VDC
- Operating Temperature: -10 degrees C to +40 degrees C (14F-104F)
- Weight: 85g
- Dimensions: 31(W) x 29(H) x 73(D)

## SENTECH

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