







# Specifications

## CHECKER VISION SENSORS

### LIGHTING

Illumination Integrated red, green, and cyan LEDs

### EXTERNAL TRIGGER INPUT

Input ON > 10VDC (> 6mA)  
 Input OFF < 2VDC (< 1.5mA)  
 Protection Opto-isolated, polarity-independent

### OUTPUTS

Output Solid state switch  
 Rating 100mA, 24VDC  
 Max voltage drop 3.5VDC @ 100mA  
 Max load 100mA  
 Protection Opto-isolated, protected from short circuit, overcurrent, and reverse polarity

### JOB CONTROL INPUTS

Jobs supported 8  
 Input ON > 10VDC (> 6mA)  
 Input OFF < 2VDC (< 1.5mA)  
 Protection Opto-isolated, polarity-independent

### EXTERNAL RETRAIN INPUT

Input ON > 10VDC (> 6mA)  
 Input OFF < 2VDC (< 1.5mA)  
 Protection Opto-isolated, polarity-independent

### TERMINATION

12-Pin M12 connector, USB Mini-B receptacle

### POWER

Voltage +24VDC (22-26VDC)  
 Current 250mA max

### MECHANICAL

Dimensions 67mm (2.64in) H x 41mm (1.61in) W  
 x 60mm (2.36in) D  
 Weight 100g (3.5oz)

### MODES OF OPERATION

Internal part trigger, external part trigger, free running

### ENVIRONMENTAL

Operating temperature 0° to 50°C (32° to 122°F)  
 Storage temperature -30° to 80°C (-22° to 176°F)  
 Operating humidity 0%-90%, non-condensing

### ENVIRONMENTAL (CONTINUED)

Operating altitude 4000m maximum  
 Shock 80Gs for 5ms on each axis  
 (per IEC 68-2-2)  
 Vibration 10Gs (10-500Hz) per IEC 68-2-6  
 Protection IP67

### CERTIFICATIONS

CE, cCSA us, FCC, RoHS

### MINIMUM PC REQUIREMENTS (Only required for setup)

Operating systems Microsoft® Windows® Vista™, XP™, or 2000™ SP4  
 RAM 128 MB RAM  
 USB USB 1.1 (2.0 recommended for best performance)  
 Screen resolution 1024 x 768 (96 DPI) or 1280 x 1024 (120 DPI) display

### CHECKER SENSORS

Model	Part Number
3G1	C3G1-21G-U00

#### Included accessories

- 5.8mm lens
- Standard USB cable
- Quick Start Guide
- Allen wrench (for focus lock)
- Checker software CD
- USB connector cover
- Mounting screws

#### Optional Accessories

C3G-CBL-001	Checker IO cable
CKR-200-BKT	Adjustable bracket
CKR-200-LENSKIT	Lens Kit
CKR-200-CBL-USB	IP67 USB cable
CKR-200-CBL-EXT	I/O extension cable (5m)

## SENSORVIEW 350 TEACH PENDANT

Models Supported	Checker 3G1
User Selectable configurations:	Presence and Measurement
User-Selectable Languages	English, German, Italian, French, Spanish, Japanese, Chinese (Simplified), Chinese (Traditional), Korean

### POWER

Operating voltage +24VDC (22-26VDC)  
 Power consumption 275mA @ +24VDC

### ENVIRONMENTAL

Operating temperature 0°C to 50°C (32°F to 122°)  
 Operating humidity 0 to 90%, non-condensing  
 Storage temperature -20°C to 80°C (-4°F to 176°F)  
 Storage humidity 0 to 90%, non-condensing  
 Shock 80G x 5ms (IEC 68-2-2)  
 Vibration 10Gs (10-500Hz) per IEC 68-2-6  
 Altitude 4000m  
 Protection IP65

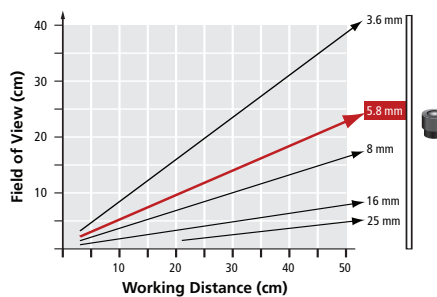
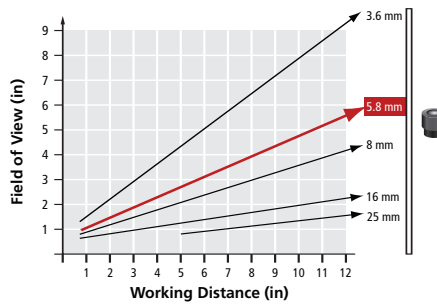
### CERTIFICATIONS

CE, cCSA us, FCC, RoHS

### MODELS

Part Number	Description
SV-350-001	SensorView 350 panel-mount Teach Pendant

For more information, please visit [www.cognex.com](http://www.cognex.com)



# COGNEX

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Corporate Headquarters One Vision Drive, Natick, MA 01760 USA Tel: +1 508.650.3000 Fax: +1 508.650.3344

#### Americas

United States, East +1 508-650-3000  
 United States, South +1 615-844-6158  
 United States, West +1 650-969-4812  
 United States, Detroit +1 248-668-5100  
 United States, Chicago +1 630-649-6300  
 Canada +1 905-634-2726  
 Mexico +52 81 5030-7258  
 Central America +1 972-365-3463  
 South America +1 972-365-3463

#### Europe

Austria +43 1 23060 3430  
 France +33 1 4777 1550  
 Germany +49 721 6639 0  
 Hungary +36 1 501 0650  
 Ireland +353 1 825 4420  
 Italy +39 02 6747 1200  
 Netherlands +31 402 668 565  
 Spain +34 93 445 67 78  
 Sweden +46 21 14 55 88  
 Switzerland +41 71 313 06 05  
 United Kingdom +44 1908 206 000

#### Asia

China +86 21 6320 3821  
 India +91 80 4022 4118  
 Japan +81 3 5977 5400  
 Korea +82 2 539 9047  
 Singapore +65 632 55 700  
 Taiwan +886 3 578 0060

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