



# CC3320-3 Digital CCD Color Camera

1/3-INCH, STANDARD RESOLUTION, 330 TVL (PAL)



## Product Features

- AC Line Lock
- "C/CS" Lens Mount
- Wide Range CCD Iris
- 1/3-Inch Format CCD Imager
- Horizontal Resolution of 330 TVL
- Digital Signal Processing
- For Use with DC or Video Type Auto Iris Lenses
- Four Color Balance Modes
- Electronic Iris Control
- Automatic Gain Control
- Backlight Compensation Mode



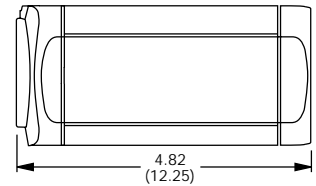
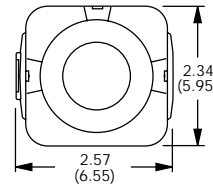
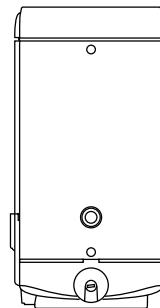
(LENS NOT SUPPLIED WITH CAMERA)

The CC3320-3 is a compact and lightweight, 1/3-inch image format, digital color CCD camera with contemporary styling and easily accessible side panel controls.

The CC3320-3 has been designed specifically for surveillance and monitoring applications where lighting is minimal. Only 1.0 lux at f1.2 is required for clear image acquisition. The CC3320-3 produces pictures with sufficient contrast to allow for good object recognition.

Primary features include high sensitivity, digital signal processing for automatic backlight compensation and automatic flicker reduction, automatic gain control, CCD iris (electronic shutter), line lock function, automatic tracing white balance, 4-pin auto iris connector for use with video or DC type auto iris lenses, and two back focus screws that eliminate the need for C-mount adapters.

In addition, lower power consumption and a wide environmental operating range make the CC3320-3 an excellent choice for demanding surveillance and monitoring applications.



NOTE: VALUES IN PARENTHESES ARE CENTIMETERS; ALL OTHERS ARE INCHES.

CAMERAS  
COLOR  
STANDARD RESOLUTION





# TECHNICAL SPECIFICATIONS

CAMERAS

COLOR,  
STANDARD RESOLUTION

## MODELS

CC3320-3 1/3-inch standard resolution digital color CCD camera, 330 TVL, PAL format

## GENERAL

Image Device 1/3-inch Sony Hyper-HAD™ CCD  
 Picture Elements 500 (H) x 582 (V)  
 Scanning System 625 lines, 2:1 interlace  
 Synchronize System Internal or external  
 External Sync AC line lock, 50/60 Hz, ±90° V-phase adjustment  
 Horizontal Resolution 330 TV lines  
 Minimum Illumination 1.0 lux at f1.2 (AGC on)  
 CCD Iris 1/50 to 1/10,000 second  
 CCD Iris Control On/off switchable  
 Signal-to-Noise Ratio >48 dB weighted (peak-to-peak signal/RMS noise)  
 Automatic Gain Control On/off switchable  
 White Balance Switchable: auto, indoor, fluorescent, outdoor  
 Gamma Correction 1.0 or 0.45 switchable  
 Phase Control V-phase control (±90°)  
 Backlight Compensation On\*/off switchable  
 \*DC auto iris or electronic iris mode  
 Video Out 1 Vp-p, 75 ohms, sync negative, BNC type  
 Lens Type Video/DC servo type  
 Acceptable Lens Mass 2.2 lb (1 kg) maximum

## ELECTRICAL

Power Requirements 230 VAC, 50 Hz  
 Power Consumption <5 watts  
 Connectors Video Out (BNC)  
 DC-drive Lens (4-pin connector)  
 Video-drive Lens (3-terminal connector)

## MECHANICAL

Lens Mount C/CS mount (adjustable)  
 Camera Mount Has integrated mounting bosses in top and bottom of camera housing; uses 1/4-inch UNC-20 screw

## ENVIRONMENTAL

Operating Temperature 14° to 122°F (-10° to 50°C)  
 Storage Temperature 14° to 158°F (-10° to 70°C)  
 Humidity 20 to 80% (non-condensing)

## PHYSICAL

Construction Aluminum case  
 Finish Neutral gray  
 Unit Weight 1.3 lb (0.6 kg)  
 Shipping Weight 2.0 lb (0.9 kg)

## CERTIFICATIONS

◆ CE, Class B

## ACCESSORIES

Supplied Accessories Lens mount cap

## RECOMMENDED MOUNTS

BS1750/CM1750/  
 CM1750S/TB1750 Adjustable swivel head camera mounts for wall, ceiling or pedestal mounting. (See C217 spec)

## RECOMMENDED POWER SUPPLIES

TF2000 Power supply for 24 VAC cameras, 20 vA. (For single camera application.) (See C656 spec)  
 MCS Series Multiple 24 VAC camera power supply, indoor. (See C653 and C655 spec)  
 WCS Series Multiple 24 VAC camera power supply, outdoor. (See C654 spec)

## RECOMMENDED LENSES

13FA, FD Series Fixed focal lenses, 1/3-inch format. FA (manual iris); FD (auto iris, DD). (See C783 and C736 specs)  
 13VA, VD Series Varifocal lenses, 1/3-inch format. VA (manual iris); VD (auto iris, DD). (See C754 and C758 specs)  
 13ZD Series Motorized zoom lenses, 1/3-inch format. ZD (auto iris, DD). (See C741 spec)

## LENS ACCESSORIES

LDC100 Auto iris drive converter. Converts a DC drive auto iris lens to a video drive auto iris lens. Compatible with all lens size formats. (See C784 spec)

CC3320-3 REAR VIEW

