



ADCA330CN and ADCA330CP

1/3 INCH COLOR DIGITAL CCD CAMERA



FEATURES

- 1/3-inch interline color CCD
- Digital signal processing
- 330 TV lines resolution
- 0.5 lux low light sensitivity
- Automatic detection of DC or video auto iris lenses
- C and CS lens mounts
- Aperture correction
- Automatic electronic shutter (AES)
- Automatic gain control (AGC)
- Backlight compensation (BLC)
- Sync options: line-lock or internal
- 24 VAC or 12 VDC input
- Internal isolation transformer
- Low power consumption

The ADCA330CN and ADCA330CP digital CCD cameras are excellent choices for virtually any application.

This camera uses DSP processing with an advanced 330 TVL imager that captures color images in very low light, (0.5 lux). When using an auto iris lens, the camera will automatically detect whether it is a DC or video type lens. Installation is made easy by an embedded 1/4" x 20 mount in both the top and bottom of the camera.

The camera features phase adjustable line-lock for "roll-free" switching, and a fully isolated power supply that allows multiple cameras to be connected to a single 24 VAC source. This isolation also helps eliminate ground loops.

ADCA330CN AND ADCA330CP 1/3 INCH COLOR DIGITAL CCD CAMERA

SPECIFICATIONS

Model Numbers

ADCA330CN	Camera, 1/3-inch, Color DSP, 330 TVL, 0.5 Lux, NTSC, 24 VAC/12 VDC
ADCA330CP	Camera, 1/3-inch, Color DSP, 330 TVL, 0.5 Lux, PAL, 24 VAC/12 VDC

Operational

Imager	1/3 inch interline transfer CCD array
Video Output	1.0 Vp-p/75 Ω composite
Active Pixel Count	
NTSC	510 (H) x 492 (V) pixels
PAL	500 (H) x 582 (V) pixels
Minimum Scene Illumination	0.5 lux (f1.2 lens)
Horizontal Resolution	330 TV lines
Light Compensation Modes	Automatic electronic shutter, On/Off (NTSC 1/60 - 1/100,000 sec) (PAL 1/50 - 1/100,000 sec)
Auto Iris Drive	DC or EE-type (auto detect)
Backlight Compensation	Yes
Aperture Correction	Yes
Synchronization Modes	Internal or line-lock with 360° phase adjustment
White Balance	Auto or manual modes
Geometric Distortion	None
S/N Ratio	> 50 dB

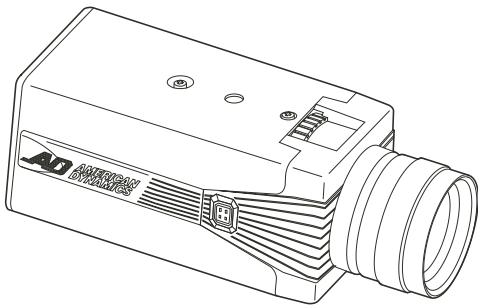
Electrical

AC Voltage	24 VAC (+33%, -15%) @ 50/60 Hz (PAL/NTSC)
DC Voltage	12 VDC (+15%, -10%)
Power Consumption	4.2 watts maximum

Mechanical

Lens Mount	C or CS type
Camera Mount	1/4 inch - 20 (top and bottom)
Dimensions (W x H x D)	.52 x .60 x .123 mm (2.05 x 2.36 x 4.84 in)
Unit Weight	350 g (0.77 lbs)
Color	Light gray (body), dark gray (accents)

Side View



Environmental

Operating Temperature	-10° to 50° C (14° to 122° F)
Storage Temperature	-20° to 60° C (-4° to 140° F)
Humidity	90% RH (non-condensing)

Regulatory

Emissions	FCC: Part 15, Class B CE: EN55022, Class B ICES-003
Immunity	CE: EN50130-4
Safety	UL2044

Controls

Backlight Compensation (BLC)	On/Off
Automatic Gain Control (AGC)	On/Off
Automatic Electronic Shutter (AES)	On/Off
Synchronization Selection (Sync)	Int/LL
Automatic White Balance (WB)	Man/Auto
White Balance/Phase Adjust	WHT BAL/PHASE
DC Iris	Level Control
Back Focus	Top and bottom adjustment points, with lock

Connectors

Input Power	Screw terminal block
Composite Video	BNC
Video Iris	4 pin square connector
DC Iris	4 pin square connector

Recommended Housings

ADCH10, AD1301, AD1303, AD1305 and AD1314

Recommended Camera Mounts

ADMC1361, ADMC1362, ADMC1363, ADMC1365, ADCM100T, ADMC1366, ADMC1312 and ADCMU

Recommended Camera "Pre-Packs"

Include camera, lens, housing and mount, and are available in multiple configurations. Check www.americandynamics.net for a complete list.

Rear View

