



ADC732 and ADC732X

1/3-INCH COLOR DIGITAL CCD CAMERA



The ADC732 and ADC732X 1/3-inch color digital CCD cameras are an excellent choice for general purpose applications.

Excellent low light sensitivity (0.91 lux), along with automatic electronic shutter and automatic gain control, assures that the camera will operate in a wide range of lighting conditions. For more extreme lighting conditions, the camera also supports the use of DC-type or EE-type auto iris lenses.

With 330 TV lines resolution and Digital Signal Processing (DSP), the camera delivers a clean, sharp picture typically available only from more expensive cameras.

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

FEATURES

- 1/3-inch interline color CCD
- Digital Signal Processing (DSP)
- 330 TV lines resolution
- 0.91 lux low light sensitivity
- Supports DC-type or EE-type auto iris lenses
- C/CS lens mount
- Automatic electronic shutter
- Dual edge enhancement
- Automatic gain control
- Aperture correction
- Automatic backlight compensation
- Phase adjustable line-lock
- 24 VAC or 12 VDC input
- Internal isolation transformer
- Low power consumption

SPECIFICATIONS

Model Numbers

ADC732 NTSC Camera
 ADC732X PAL Camera

Operational

Imager Interline transfer 1/3-inch 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 0.91 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
 Backlight Compensation On/Off selectable
 Aperture Correction Yes
 Synchronization Modes Internal/Line-lock with phase adjustment
 White Balance Auto or Manual modes
 Geometric Distortion None
 S/N Ratio -50 dB

Controls

AES On/Off
 BLC On/Off
 Back Focus Adjustment ring, with lock
 Auto Iris DC/EE-type, switchable
 DC Iris Level control
 AGC On/Off
 Synchronization Int./LL with phase adjustment
 White Balance Auto/Manual

Connectors

Input power Screw terminals
 Composite Video BNC
 Video Iris 4 pin square connector
 DC Iris 4 pin square connector

Electrical

AC Voltage 24 VAC (+33%, -15%)
 60 Hz (NTSC)
 50 Hz (PAL)
 DC Voltage 12 VDC (+15%, -10%)
 Power Consumption 4.1 watts maximum

Mechanical

Lens Mount C or CS type
 Camera Mount 1/4 inch - 20 (top or bottom)
 Dimensions (H x W x L) 58 x 52 x 126 mm
 (2.28 x 2.05 x 4.96 in)
 Unit Weight 450 g (0.99 lbs)
 Shipping Weight 600 g (1.32 lbs)
 Color Light gray

Environmental

Operating Temperature -10° to 50° C (14° to 122° F)
 Humidity 90% RH (non-condensing)
 Storage Temperature -30° to 60° C (-22° to 140° F)

Regulatory

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

Recommended Housings*

AD1301, AD1303, AD1305, AD1314, AD1315
 AD1317, AD1335, AD1337, AD1348

*Dependent on lens dimensions.

Recommended Camera Mounts

ADMC1361, ADCMC1362, ADCMC1363, ADCMC1365,
 ADCMC100T, ADCMC1366

