



ADC732 and ADC732X

1/3-INCH COLOR DIGITAL CCD CAMERA



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

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.

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,
ADCM100T, ADCMC1366

