

AMERICAN DYNAMICS

ADC700 and ADC700X

1/3-INCH COLOR CCD CAMERA

The ADC700 and ADC700X color 1/3-inch CCD cameras are an excellent choice for value driven, entry level applications.

With 330 TV lines resolution and other advanced features, the camera delivers a clean, sharp picture. Good low light sensitivity (2.0 lux, f1.2), 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.

FEATURES

- 1/3-inch interline color CCD
- 330 TV lines resolution
- 2.0 lux light sensitivity
- Supports DC-type or EE-type auto iris lenses
- CS lens mount with C adapter

- Automatic white balance
- Automatic electronic shutter
- Automatic gain control
- 12 VDC input
- Low power consumption

SPECIFICATIONS

Model Numbers

ADC700NTSC Camera ADC700XPAL Camera

Operational

Active Pixel Count

NTSC512 (H) x 492 (V) pixels PAL512 (H) x 582 (V) pixels

Minimum Scene

Illumination2.0 lux (f1.2 lens) Horizontal Resolution 330 TV lines

Light Compensation

ModesAutomatic 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 Synchronization ModesInternal White BalanceAuto Geometric DistortionNone S/N Ratio-48 dB

Controls

AESOn/Off

DC Auto Iris Level control

Auto IrisDC/EE-type, selectable

Connectors

Input PowerStandard 2.0 mm, jack-center pin positive

Composite Video BNC

Auto IrisDC/EE-type, 4 pin square

connector

Electrical

Voltage12 VDC (±10%) regulated Power Consumption3.0 watts (maximum)

Mechanical

Dimensions (H x W x L)50 x 62 x 108 mm

(1.97 x 2.44 x 4.26 in)

ColorLight gray

Environmental

Operating Temperature 0° to 50° C (32° to 122° F) Storage Temperature-30° to 60° C (-22° to 140° F)

Regulatory

| Emissions | FCC: Part 15, Class B |
|-----------|-----------------------|
| | CE: EN55022 |
| 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, ADMC1362, ADMC1363 ADMC1365, ADMC1366, ADCM100T

Accessories

supply supply

