



ADC762 and ADC762X

1/3-INCH COLOR DIGITAL CCD CAMERA



FEATURES

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

The ADC762 and ADC762X color 1/3-inch digital CCD cameras are the premier choice for general purpose applications.

Automatic electronic shutter and automatic gain control assure 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 470 TV lines resolution and Digital Signal Processing (DSP), the camera delivers a clean, sharp picture.

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

- ADC762NTSC Camera
- ADC762XPAL Camera

Operational

- ImagerInterline transfer 1/3-inch CCD array
- Video Output1.0 Vp-p / 75 Ω, composite
- Active Pixel Count
 - NTSC768 (H) x 494 (V) pixels
 - PAL752 (H) x 582 (V) pixels
- Minimum Scene
 - Illumination1.5 lux (f1.2 lens)
- Horizontal Resolution470 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 DriveDC or EE-type
- Backlight CompensationOn/Off selectable
- Aperture CorrectionYes
- Synchronization ModesInternal/Line-lock with phase adjustment
- White BalanceAuto or Manual modes
- Geometric DistortionNone
- S/N Ratio-50 dB

Controls

- AESOn/Off
- BLCOn/Off
- Back FocusAdjustment ring, with lock
- Auto IrisDC/EE-type, switchable
- DC IrisLevel control
- AGCOn/Off
- SynchronizationInternal/Line-lock with phase adjustment
- White BalanceAuto/Manual

Connectors

- Input PowerScrew terminals
- Composite VideoBNC
- Video Iris4 pin square connector
- DC Iris4 pin square connector

Electrical

- AC Voltage24 VAC (+33%, -15%)
60 Hz (NTSC)
50 Hz (PAL)
- DC Voltage12 VDC (+15% -10%)
- Power Consumption4.4 watts maximum

Mechanical

- Lens MountC or CS type
- Camera Mount1/4 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 Weight450 g (0.99 lbs)
- Shipping Weight600 g (1.32 lbs)
- ColorLight gray

Environmental

- Operating Temperature-10° to 50° C (14° to 122° F)
- Humidity90% RH (non-condensing)
- Storage Temperature-30° to 60° C (-22° to 140° F)

Regulatory

- EmissionsFCC: Part 15, Class B
CE: EN55022
ICES-003
- ImmunityCE: EN50130-4
- SafetyUL2044

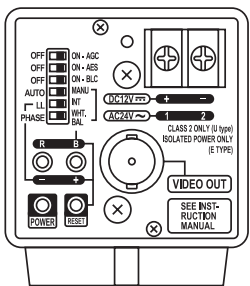
Recommended Housings*

- AD1301, AD1303, AD1305, AD1314, AD1315
AD1317, AD1335, AD1337, AD1348
- *Dependent on lens dimensions.

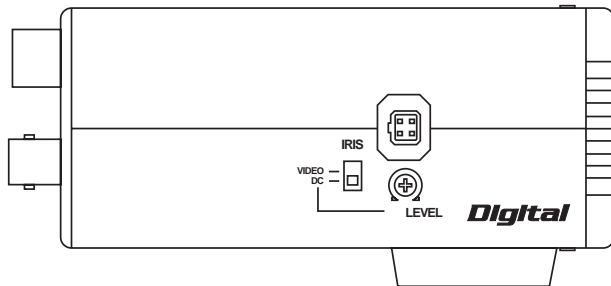
Recommended Camera Mounts

- ADMC1361, ADMC1362, ADMC1363,
ADMC1365, ADCM100T, ADMC1366

Rear View



Side View



Front View

