

# **FEATURES**

- 1/3-inch interline black & white CCD
- 380 TV lines resolution
- 0.1 lux low light sensitivity
- Sensitive to IR illumination
- Supports DC-type or EE-type auto iris lenses
- CS lens mount with C adapter included
- Aperture correction

- Automatic electronic shutter
- Automatic gain control
- Automatic backlight compensation
- Phase adjustable line-lock
- 24 VAC input
- Internal isolation transformer
- Low power consumption

# AMERICAN DYNAMICS

# ADC531 and ADC531X

1/3-INCH BLACK & WHITE CCD CAMERA

The ADC531 and ADC531X black & white 1/3-inch CCD cameras are an excellent choice for general purpose applications. Featuring sensitivity of 0.1 lux, along with automatic electronic shutter and automatic gain control, 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 380 lines of resolution and aperture correction, the camera delivers clean, sharp pictures. Additionally, the camera features phase adjustable line-lock for "roll-free" switching and a fully isolated power supply enabling multiple cameras to be connected to a single 24 VAC source. This isolation also helps eliminate ground loops.

These cameras are sensitive to infrared light and are suitable for use in covert surveillance applications in conjunction with IR illuminators.

# **SPECIFICATIONS**

#### **Model Numbers**

### **Operational**

 $\begin{tabular}{ll} Imager & ... & ... Interline transfer 1/3-inch CCD array \\ Video Output & ... & ... 1.0 \ Vp-p \ / \ 75 \ \Omega, composite \\ \end{tabular}$ 

Active Pixel Count

Minimum Scene

Light Compensation

 $Modes \ \dots \dots Automatic \ electronic \ shutter, \ On/Off$ 

(EIA 1/60 -1/100,000 sec) (CCIR 1/50 - 1/100,000 sec)

Auto Iris Drive .......DC or EE-type Backlight Compensation .....On/Off selectable

Aperture Correction . . . . . . . Yes

Synchronization Modes ......Line-lock with phase adjustment

S/N Ratio .....-50 dB

#### **Controls**

AES/ELC											On/C	Off
BLC												

DC Iris Level control
AGC On/Off
V-Phase Level control

## Connectors

 $Composite\ Video \dots .....BNC$ 

Auto Iris

#### Electrical

Voltage	24 VAC ±20%
	50 Hz CCIR
	60 Hz EIA
Power Consumption	4.0 watts

#### Mechanical

Lens Mount
Camera Mount
Dimensions (H x W x L)55 x 55 x 120 mm
(2.16 x 2.16 x 4.72 in)
Unit Weight
Shipping Weight
ColorLight gray

#### **Environmental**

Operating Temperature	10° to 50° C (14° to 122° F)
Humidity	.85% RH (non-condensing)
Storage Temperature	30° to 60° C (-22° to 140° F)

# Regulatory

Emissions .	FCC: Part 15, Class A
	CE: EN55022
Immunity .	CE: 50130-4
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

