



## FEATURES

- 1/3-inch interline color CCD
- Digital Signal Processing (DSP)
- 480 TV lines resolution
- 0.4 lux low light sensitivity, 0.02 lux at 1/32 slow shutter
- Wide dynamic range (WDR)
- Automatic electronic shutter (AES)
- Digital slow shutter (DSS)
- Dual (H&V) edge enhancement
- Automatic gain control (AGC)
- Six backlight compensation (BLC) zones
- On-screen Menus
- On-screen Camera Titles
- Supports DC and Video-type auto iris lenses
- C/CS lens mount
- Phase adjustable line-lock
- 24 VAC or 12 VDC input
- Internal isolation transformer

Lenses sold separately

## ADC770

### 1/3-INCH COLOR DSP CAMERA WITH WIDE DYNAMIC RANGE

The ADC770 1/3-inch color DSP camera offers an advanced solution to your specific video surveillance needs. Solid and powerful, these cameras are engineered for optimal performance in low light and contrasting lighting conditions.

On-screen menus provide simple access to the camera's parameter settings. Low light sensitivity renders sharp images in scenes as dim as 0.4 lux. Digital Slow Shutter (DSS) provides an even greater level of low light viewing capability. Digital Signal Processing (DSP) combines with 480 TV lines of resolution to deliver the best in picture quality.

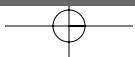
Equipped with built-in Auto Tracking White (ATW) Balance and One-Touch White Balance (AWB), the ADC770 can produce accurate color pictures in a broad range of lighting conditions. The One-Touch feature makes these one of the easiest cameras in the industry to adjust for manual white balance.

The ADC770 camera also features motion detection with alarm output, six backlight compensation (BLC) zones (two are user-definable), phase-adjustable line-lock for "roll-free" switching, and a fully isolated power supply that allows you to connect multiple cameras to a single 24 VAC source with minimal interference from ground loops.

These energy efficient cameras are suited for a wide range of applications and save you money in operational costs.



[www.americandynamics.net](http://www.americandynamics.net)



Front side – Single sheet – Letter size – print 4/c



## ADC770 1/3-INCH COLOR DSP CAMERA WITH WIDE DYNAMIC RANGE

### SPECIFICATIONS

#### **Model Numbers**

ADC770 ..... Camera, 1/3-inch, Color, 480 TVL,  
0.4 lux, WDR, NTSC, 24 VAC/12 VDC

#### **Operational**

Imager ..... Interline transfer 1/3-inch CCD array  
 Video Output ..... 1.0 Vp-p / 75 Ω, composite  
 Active Pixel Count  
     NTSC ..... 768 (H) x 494 (V) pixels  
     Minimum Scene Illumination ..... 0.4 lux (f1.2 lens)  
     Horizontal Resolution ..... 480 TV lines  
     Light Compensation Modes ..... Automatic electronic shutter, On/Off  
         (NTSC 1/60 -1/100,000 sec)  
     Auto Iris Drive ..... DC and Video type  
     Backlight Compensation ..... 6 Zones (2 definable), On/Off selectable  
     Aperture Correction ..... Horizontal and vertical  
     Synchronization Modes ..... Internal, genlock or line-lock with 360°  
         phase adjustment  
     White Balance ..... Auto or One-Touch modes  
         (2,500° k to 8,000° k)  
     Geometric Distortion ..... None  
     S/N Ratio ..... -50 dB  
     Synchronization ..... Internal, genlock or line-lock with phase  
         adjustment  
     DC Iris ..... Level control  
     Back Focus ..... Adjustment ring with lock

#### **Connectors**

Input Power ..... Screw terminals  
 Composite Video ..... BNC  
 Sync In ..... BNC  
 Y/C Out  
 Alarm Output ..... Push terminals  
 DC Iris ..... 4 pin square connector

#### **Electrical**

AC Voltage ..... 24 VAC (+33% -15%)  
                        60 Hz (NTSC)  
 DC Voltage ..... 12 VDC (+15%, -10%)  
 Power Consumption ..... 5.2 watts

#### **Mechanical**

Lens Mount ..... C or CS type  
 Camera Mount ..... 1/4 in x 20 in  
 Dimensions (H x W x L) ..... 63 x 75 x 149 mm  
                        (2.5 x 3.0 x 5.9 in)  
 Unit Weight ..... 600 g (1.32 lbs)  
 Color ..... Light gray

#### **Environmental**

Temperature  
     Operating ..... -10° to 50° C (14° to 122° F)  
     Humidity ..... 90% RH (non-condensing)  
     Storage ..... -20° to 60° C (-4° to 140° F)

#### **Regulatory**

Emissions ..... FCC: Part 15, Class B  
                        ICES-003  
 Safety ..... UL2044

