



## ADC520 Series

### BLACK AND WHITE SPECIALTY CAMERAS



ADC520D



ADC523PIR



ADC522WP



ADC521B

### FEATURES

- 1/3-inch interline black and white imager, EIA format
- 380-line B/W imager
- Sharp picture
- 0.5 lux light sensitivity
- Sensitive to IR illumination
- Discreet housings
- Automatic electronic shutter
- Automatic gain control
- 12 VDC input via included power supply
- ADC522WP includes IR illumination and is weather resistant

The ADC520 Series cameras feature a black and white imager that delivers a sharp picture at a very economical cost.

The ADC520 Series offers cameras in housings different than your typical standard camera.

The ADC520D features a 3.5-inch discreet dome housing that is an attractive alternative to a standard camera.

The ADC521B features a low silhouette tube design that will fit in with most decors.

The ADC522WP is a weather resistant tube design that meets IP57 for weather resistance. The built in IR illumination LEDs allow this camera to produce a picture with 0 lux ambient light. The 12 IR LEDs provide coverage up to 10 meters (30 ft) to deliver a sharp picture while producing no visible light.

The ADC523PIR is a camera mounted in a standard motion detector shell. The camera blends in to the background appearing as a security system device. People are unaware that there is video surveillance in the area.

# AMERICAN DYNAMICS ADC520 SERIES BLACK AND WHITE SPECIALTY CAMERAS

## SPECIFICATIONS

### Model Numbers

ADC520D .....B/W camera in 3.5-inch micro dome with  
3.6 mm lens  
ADC521B .....B/W camera in Bullet Housing with  
3.6 mm lens and mount  
ADC522WP .....B/W camera in weatherproof Bullet  
Housing with 4.0 mm lens and IR  
illuminators and mount  
ADC523PIR .....B/W camera in non-functional PIR  
detector housing with 3.6 mm lens

### Operational

EIA Imager .....Interline transfer 1/3-inch CCD  
Video Output .....1.0 Vp-p 75  
Active Pixels Count .....510 (H), 492 (V)  
Minimum Scene Illumination . .0.5 lux at F2.0  
Horizontal Resolution .....380 TVL  
Light Compensation Modes ...Auto electronic shutter  
1/60 to 1/100,000  
Synchronization Modes .....Internal  
Geometric Distortion .....None  
S/N Ratio .....-48 dB

### Input Connectors

Input Power .....2.1 mm  
Composite Video .....BNC on cable

### Electrical

Input Voltage .....120VAC @ 60Hz  
Power Supply Output .....12VDC (±10%)  
Power Consumption .....ADC520D 120 mA  
ADC521B 120 mA  
ADC522WP 120 mA  
ADC523PIR 240 mA

### Regulatory

Emissions .....FCC Part 15, Class B  
ICES-003  
Safety .....UL 1585 (power supply only)

### Environmental

Operating Temperature .....-10° to 50° C (14° to 122° F)  
Humidity .....90% RH (non-condensing)  
ADC522WP .....100% RH  
Storage Temperature .....-30° to +60° C (-22° to 140° F)

	ADC520D	ADC521B	ADC522WP	ADC523PIR
<b>Dimensions</b>	87 x 57 mm 3.4 x 2.2 in (D x H)	26 x 87 mm 1.02 x 3.4 in (D x L)	65 x 105 mm 2.5 x 4.1 in (D x L)	70 x 110 x 49 mm 2.7 x 4.3 x 1.9 in (W x H x D)
<b>Weight</b>	.18 kg .40 lbs	.30 kg .70 lbs	.55 kg 1.20 lbs	.18 kg .40 lbs
<b>Shipping Weight</b>	.43 kg .90 lbs	.55 kg 1.20 lbs	.80 kg 1.80 lbs	.43 kg .90 lbs
<b>Environmental</b>	Indoor Only	Indoor Only	IP57	Indoor Only

Note: All ADC520 Series cameras ship with a 120 VAC to 12 VDC UL listed power supply with a 6 foot cord. 12 VDC cameras will not line-lock and are not recommended to be used in a matrix switcher environment.