



American Dynamics

A Tyco International Company

Discover 300 Series

600 TVL Box Camera



Features That Make a Difference:

- Eight privacy zones to conceal private areas
- Digital noise reduction corrects imperfections on an image
- Auto White Balance finds best settings for the clearest images
- Day/Night switching for low light conditions
- Eight programmable privacy zones
- 12VDC/24VAC and 230V (PAL)

The compact Discover 300 Series Box Camera provides high resolution images and accurate color rendition for budget-conscious customers. Easy to install and use, this camera is engineered for optimal performance and can be customized to fit a variety of environments with a mixture of lighting conditions.

Digital Signal Processing (DSP), combined with 600 TVL on a 1/3" Format Interline CCD sensor, delivers clear picture quality typically available only from more expensive models. This box camera offers backlight compensation (BLC), automatic gain control (AGC), and an auto iris lens to produce clear, accurate color images in challenging lighting conditions. Low light sensitivity renders sharp images in scenes as dim as 0.5 lux.

Configured using pre-defined or user-customized settings, Auto White Balance finds the best settings for optimal white balance to achieve the clearest images possible. The one-touch feature makes this one of the easiest cameras in the industry to adjust for manual white balance.

With up to eight privacy zones, you can configure the camera to conceal private areas in the camera's field of view.

The Discover 300 Series Box Camera is ideal for indoor commercial environments, and is commonly used with a weatherproof, vandal-resistant enclosure for outdoor applications such as for a building perimeter or parking garage.

Specifications

Operational

Imager 1/3" Format Interline CCD sensor
 Horizontal Resolution 600 TVL
 Active Pixel Count (H x V)
 NTSC 768 x 494
 PAL 752 x 582
 Scanning Frequency 2:1 Interlace
 Min. Scene Illumination 0.32 lux (50IRE, F=1.2, AGC max.)
 Iris Control Video/DC auto
 S/N Ratio 48 dB (100 IRE)
 Synchronization Internal
 Shutter Speed MES 1/60 (NTSC)/ MES 1/50 PAL, FLK,
 1/250-1/100000, Auto (NTSC)

Controls

AGC Low, Middle, High, Off
 AGC Dynamic Range 70 IRE-100 IRE
 AES Auto luminance control 1/60-1/100000 sec.
 max. (NTSC)
 Auto luminance control 1/50-1/100000 sec.
 max. (PAL)
 BLC 2 Zone On, Off, HLC
 White Balance Auto
 Auto White Balance Range ATW1 (2700K-9700K),
 ATW2 (2000K-20000K) AWC, Manual
 D/N Control Auto, Color, B/W, Ext
 Brightness 0-255 Level
 Sharpness 0-31 Level
 DWDR On, Off
 Digital Noise Reduction On, Off
 Privacy Zones Eight programmable
 Mirror On, Off

On-screen Display On, Off
 Back Focus CS Mount 12mm +/- 1.0mm

Connectors

Composite Video Output BNC
 Mounting Hole 1/4 in top to bottom

Electrical

Voltage DC 12V ± 10% and AC 24V ± 20%; 230VAC (PAL)
 Power 2.6W (max.)

Mechanical

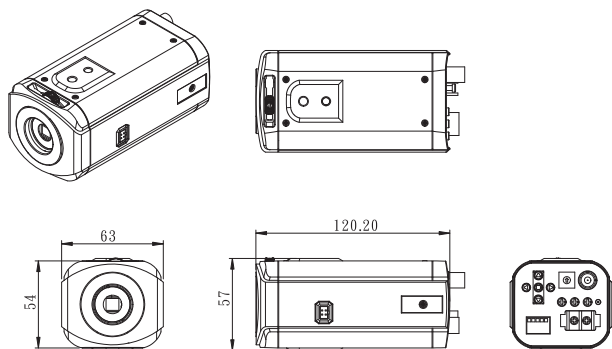
Housing Material Aluminum
 Housing Color White (RAL 9003, Pantone® 705)
 Dimensions (W x H x L) 63 x 57 x 120.20 mm (2.48 x 2.24 x 4.73 in)
 Weight (Without Lens) 200g (0.440 lbs)

Environmental

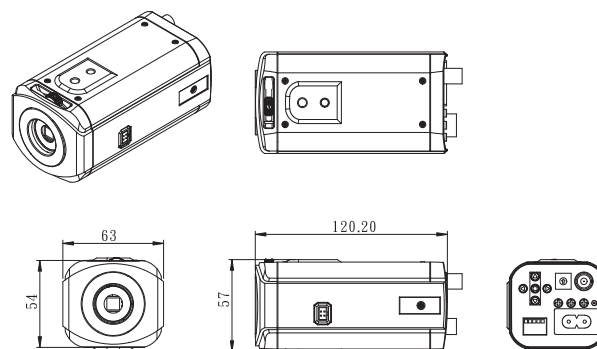
Operational Temperature -10°C to 50°C (14°F to 122°F)
 Storage Temperature -20°C to 60°C (-4°F to 140°F)
 Relative Humidity 90% non-condensing

Regulatory

Emissions FCC: Part 15, Class B; CE: EN61000, Class B
 Immunity CE: EN50130-4
 Safety NTSC: UL60950 and CSAC22.2 No. 60950
 PAL: IEC60950



Dual Power Dimension



Main Power Dimensions (PAL Only)

Ordering Information

Brand	Camera	Series	Box	Format	230V (PAL only)
AD	CA	3	X	N = NTSC P = PAL	230

Accessories

Model	Description
6003-0239-01	North America Power Cord
6003-0240-01	European Power Cord
6003-0221-01	UK Power Cord

Related Products



Approvals



www.americandynamics.net

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