

## G4-HPV540 Series Digital CCD Color Camera

### 1/3-INCH, HIGH RESOLUTION, INFRARED, VARIFOCAL

#### Product Features

- Sony Super HAD™ Technology
- 1/3-Inch Format CCD Sensor
- Digital Signal Processing
- 540 Max TV Lines Resolution
- 0 Lux Infrared Sensitivity
- 36 High Powered LED Illuminators
- External Adjustable Varifocal Lens
- DC Auto Iris Drive
- Automatic Gain Control (AGC)
- Automatic White Balance
- IP66 Weatherproof Rating
- Integral Feedthrough Mount Included



The **G4-HPV540** digital color camera features Sony's latest patented Super HAD™ CCD technology. The camera offers great improvement in low lux performance and literally turns night into day. The **G4-HPV540** features a high resolution 540 line CCD in the 1/3-inch format.

Typical color cameras are unable to produce usable images in low light conditions. Sony's new dual sensor solves this issue. The **G4-HPV540's** Sony Super HAD™ technology utilizes an auto-switching CCD that automatically switches to black and white with infrared assist during low lux environments.

The camera features a 4-9mm varifocal lens, adjustable from the rear of the camera.

The **G4-HPV540** day/night color camera provides exceptional illumination with its high powered array of 36 LED illuminators. The camera's IR range is in excess of 90 feet.

Encased in an IP66 enclosure, the **G4-HPV540** can operate under a variety of harsh, outdoor environments. Water, dust, and crush resistant glass coating ensures a clear, vivid picture, while the material coating isolates ultra-violet rays ensuring long and stable operation.

# TECHNICAL SPECIFICATIONS

## MODELS

G4-HPV540                      1/3-inch digital color CCD cylinder camera. 540 TVL, 12VDC, NTSC

## GENERAL

Sensor Type                      1/3-inch Sony Super HAD™ CCD  
Effective Pixels                  768 (H) x 494 (V)  
Scanning System                2:1 Interlace  
Horizontal Resolution         Color: 540 TV Line  
Iris Control                        Auto  
CCD Shutter Speed            1/60 - 1/10,000 second  
Auto Iris                          DC  
Minimum Illumination        0 lux:LED On, 1.0 (F/1.2):LED off  
S/N Ratio                         >48dB  
Automatic Gain Control       Auto  
Electronic Shutter Control    Auto  
White Balance Mode            Auto  
White Balance Range         3200 ~ 10000 °K  
Sync Type                        Internal  
Signal Processing               Digital Signal Processing (DSP)  
Gamma Correction               0.45  
Video Output                    1.0Vp-p(Sync, Negative), 75 ohms  
IR Range                         30M 35°

## ELECTRICAL

Power Requirements            Regulated 12V±1 DC  
Power Consumption            450mA  
Power Connector                2.1 x 5.5, center positive  
Video Connector                BNC

## MECHANICAL

Lens Type                        Internal 4mm - 9mm Varifocal  
External Adjustment            Yes

## ENVIRONMENTAL

Operating Temperature        -4° to 122°F (-20° to 50°C)  
Storage Temperature          -4° to 140°F (-20° to 60°C)  
Operating Humidity            90% RH Max.  
System Rating                   IP66

## PHYSICAL

Dimensions                      83.5(W) x 77.5(H) x170(L)mm  
Weight                            1.65 lb approx.  
Shipping Weight                2.0 lbs approx.

## OPTIONAL ACCESSORIES