

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