

G4-S18DN420 Series Digital CCD Color Camera

1/3-INCH, 420TVL, WEATHER-PROOF, ARMOR, INFRARED

Product Features

- Sony Super HAD™ Technology
- 1/3-Inch Format CCD Sensor
- Digital Signal Processing
- 420 Max TV Lines Resolution
- 0 Lux Infrared Sensitivity
- 20 High Powered LED Illuminators
- DC Auto Iris Drive
- Automatic Gain Control (AGC)
- Automatic White Balance
- High S/N Ratio
- IP55 Weatherproof Rating



The **G4-S18DN420** 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.

Typical color cameras are unable to produce usable images in low light conditions. Sony's new dual sensor solves this issue. The **G4-S18DN420** Sony Super HAD™ technology utilizes an auto-switching CCD that automatically switches to black and white with infrared assist during low lux environments

The **G4-S18DN420** Series day/night color camera provides illumination up to 40 feet with its high powered array of 20 LED illuminators.

Encased in an IP55 enclosure, the **G4-S18DN420** 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. The heavy duty armor casing deters vandalism and ensures effective surveillance 24 hours a day.

TECHNICAL SPECIFICATIONS

MODELS

G4-S18DN420	1/3-inch digital color CCD cylinder armor IR camera. 420 TVL, 12VDC, NTSC
G4-SH18DN	1/4-inch digital color CCD cylinder armor IR camera. 420 TVL, 12VDC, NTSC
G4-HRS-480DN	1/3-inch high resolution digital color CCD cylinder armor IR camera. 480 TVL, 12VDC, NTSC

GENERAL

Sensor Type	1/3-inch Sony Super HAD™ CCD
Effective Pixels	510 (H) x 492 (V)
Scanning System	2:1 Interlace
Horizontal Resolution	Color: 420 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	>50dB
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	20M 45°

ELECTRICAL

Power Requirements	Regulated 12V±1 DC
Power Consumption	Usual Operation: 280mA
Power Connector	2.1 x 5.5, center positive
Video Connector	BNC

MECHANICAL

Lens Type	3.6mm fixed
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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	IP55

PHYSICAL

Dimensions	64(W) x 65(H) x130(L)mm
Weight	0.8 lb (0.36 kg) approx.
Shipping Weight	1.2 lbs (0.54 kg) approx.

RECOMMENDED POWER SUPPLIES

DSA	Power for one camera, 12V DC 1.25A
PS-4DC	Multi-output, 4ch, 12V DC 400mA
DPS-12D	Multi-output, 9ch, 12V DC 800mA
HPS-12D16	Multi-output, 16ch, 12V DC 800mA

OPTIONAL ACCESSORIES

N/A

