

Experience crystal clear images with GE's line of CamPlus 2 traditional high-performance cameras. The **GEC-HDR1** offers great low-light performance in standard and day/night versions as well as wide-dynamic range performance. With custom configurability and a full feature set, the GEC-HDR1 is a general purpose camera suitable for most applications.

The GEC-HDR1 accomplishes its Wide Dynamic Range functionality by taking two images for each frame—one image is slightly overexposed, the other slightly underexposed. A lightning fast DSP core inside the camera takes both images and analyzes each for the best developed pixel, then combines the two images for a single frame of optimized video. Using the latest ultra high-resolution sensor technology, the GEC-HDR1 takes surveillance to the next level. Setup is easy with an all new five-button digital OSD interface. The GEC-HDR1 works great out of the box, but the digital OSD interface offers control of such features as dynamic range, white balance, gain, and iris control

as well as several other common features.

Like the original CamPlus, CamPlus 2 offers dual-BNC output, power LED indicator, universal 12 VDC / 24 VAC power input, and a sliding side-control panel to prevent unintended alteration of camera settings and to give the camera a clean look.

Some of the GEC-HDR1's more advanced features include privacy masking, digital zoom and horizontal/vertical mirroring. The GEC-HDR1 offers the perfect blend of wide-dynamic performance, low-light performance and high-resolution to make it the most versatile camera available today.

## Features

- Traditional camera provides 500 TVL color; day/night camera gives 500 TVL color or in night mode
- Four types of Day/Night switching
- Black and white mode for low light environment
- All Digital On Screen Display (OSD) Graphical User Interface (GUI)
- Easy-to-use five-button menu for setup and configuration
- Universal power input, 12 VDC / 24 VAC
- UL/CE/FCC/C-Tick Listed

## GEC-HDR1 high-performance CamPlus 2 traditional security cameras





# Specifications

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## Camera

- Image device: 1/3 in interline transfer Super HAD CCD
- Signal system: NTSC standard, PAL optional
- Pixels: 811 H x 508 V (NTSC), 795 H x 596 V (PAL)
- Scanning system: 525/60 lines (NTSC), 625/50 lines (PAL)
- Synchronizing system: Internal/line-lock; phase adjustable
- Resolution: 500 TVL color
- Sensitivity, GEC-HDR1: 0.05 lux (faceplate), 0.5 lux @ f1.2 (SAGC on, 30 IRE)
- Sensitivity, GEC-HDR1-DN: 0.5 lux in day mode and 0.1 lux in night mode (F1.2, 30 IRE)
- Signal-to-noise ratio: > 50 dB
- Electronic shutter: 1/60 to 1/100,000 sec, automatic or manually selectable in normal mode (non-Wide Dynamic mode)
- Color balance: ATW, PTL, Manual, Preset
- Gain: Normal AGC / Super AGC
- Auto backlight compensation: Off/On
- Gamma correction: 0.45/1.0
- Video output: Composite 1.0 V p-p at 75 ohm load

- Lens mount: C / CS
- Lens options: Accepts manual, video, and DC autoiris lenses

## Environmental

- Operating temperature: -4 to 122°F (-20 to 50°C)

## Electrical

- Power source: Universal, 10 to 40 VDC, 18 to 30 VAC
- Power consumption: 3.3 W

## Physical

- Dimensions (LxWxD): 5.55 x 2.76 x 2.05 in. (141 x 70 x 52 mm)
- Weight: 14.5 oz (411 g)

## Regulatory

- UL, CE, FCC, C-Tick

## Ordering information

GEC-HDR1	CamPlus 2 standard high-performance color camera
GEC-HDR1-DN	CamPlus 2 day/night high-performance camera

## Dimensional diagram

