

www.GESecurity.com

KTC-2000DN

CamPlus High-Performance Day/Night Color Camera

Overview

The KTC-2000DN is a high-resolution, day/night camera that offers 480 TV lines in color mode and 570 TV lines in black-and-white mode. The KTC-2000DN features an auto/manual removable infrared cut filter within the camera that provides high quality color images during the day and high quality, high sensitivity, black-and-white images at night. The camera features digital signal processing, and its automatic backlight compensation prevents important foreground objects from becoming silhouetted against bright backgrounds.

Outstanding Features

The camera includes a variable high-speed electronic shutter that compensates for conditions ranging from bright sunlight to low-light environments. The KTC-2000DN's autoiris circuit is also compatible with manual, video, and DC autoiris lenses. The camera accepts both C- and CS-mount lenses.

The KTC-2000DN has advanced digital auto-tracking white balance (ATW) that provides accurate color rendition even under the most adverse lighting conditions.

The KTC-2000DN incorporates a universal power supply that accepts either a 10 to 40 VDC or a 18 to 30 VAC input.

Optional PlusPacks

Designed to look like part of the original camera, PlusPacks are a fast, easy solution to converting BNC analog video output to other transmission media. PlusPacks are available for Twisted Pair conversion outputs.



Standard Features

- **EXview HAD CCD**
- **Switches between color and black-and-white in low light**
- **480 TV lines of resolution in color mode and 570 TV lines of resolution in B/W mode**
- **0.1 lux sensitivity in color mode and 0.01 lux in black-and-white mode**
- **Digital automatic backlight compensation**
- **Advanced digital signal processing**
- **Digital horizontal and vertical aperture correction**
- **Advanced digital auto-tracking white balance**
- **Accepts manual, video, and DC autoiris lenses**
- **Universal power supply: 10 to 40 VDC/18 to 30 VAC**
- **AC line-lock; phase adjustable**
- **Thumbwheel back focus**
- **Concealed DIP switches/control panel**
- **Recessed autoiris connector**
- **Local video test monitor output**
- **UL listed**

KTC-2000DN

CamPlus High-Performance Day/Night Color Camera

Specifications

Image device

- 1/3 in interline transfer EXview HAD CCD

Signal system

- NTSC standard, PAL optional

Picture elements

- 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

- 480 TVL color mode, 570 TVL in B/W mode

Color sensitivity

- 0.01 lux (faceplate); 0.1 lux @ f1.2 (SAGC, 30 IRE)

B/W sensitivity

- 0.001 lux (faceplate); 0.01 lux @ f1.2 (SAGC, 30 IRE); 0 lux visible light under IR illumination (780 NM to 1100 NM)

Signal-to-noise ratio

- > 52 dB

Electronic shutter

- 1/50 (1/60) to 1/100,000 sec, automatic

ATW color balance

- Standard range of 2500 to 9500 K

AWB color balance

- Conventional white balance

Gain

- Normal AGC/Super AGC

Auto backlight compensation

- Off/On

Gamma correction

- 0.45/1.0

Video output composite

- 1.0 V pk-pk at 75 ohm load

Lens selection

- Accepts manual, video, or DC autoiris lens

Lens mount

- C and CS mount

Operating temperature

- -4° to 122° F (-20° to 50° C)

Power source

- Universal, 10 to 40 VDC, 18 to 30 VAC

Power consumption

- 3.5 W

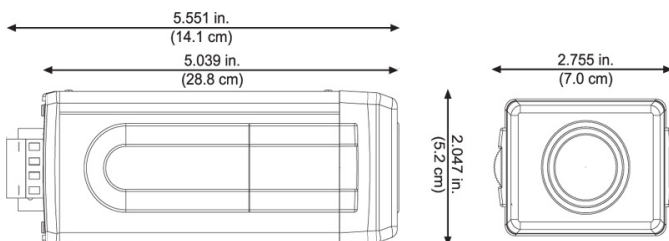
Weight

- 14.5 oz (412 g)

Options

- PlusPack transmission conversion module

Related Diagram



Ordering Information

KTC-	
510	B/W, 420 TVL, 0.1 lux
515	B/W, high res, 600 TVL, 0.1 lux
540E	B/W, high res, EXView, 600 TVL, 0.01 lux
810C	Color, 380 TVL, 0.5 lux
815C	Color, high res, 480 TVL, 0.5 lux
840CE	Color, high res, EXView, 480 TVL, 0.1 lux
2000DN	Day/night, high res, 480 TVL/0.1 lux in color mode, 570 TVL/0.01 lux in B/W mode



GE Security

Mailing Address
4575 Research Way, STE 250
Corvallis, OR 97333 USA
www.GESecurity.com

Americas
800-469-1676 (US only)
tel 541-754-9133
fax 541-754-7162

Asia
tel 852-2907-8108
fax 852-2142-5063

Australia
tel 61-3-9259-4700
fax 61-3-9259-4799

Europe
tel 32-2-725-11-20
fax 32-2-721-86-13

Latin America
tel 305-267-4301
fax 305-267-4300

www.GESecurity.com