

High-Performance Day/Night Color Camera *KTC-2000DN*

High-Resolution, Day/Night Camera



The KTC-2000DN accepts both C- and CS-mount lenses.

The KTC-2000DN is a high-resolution, day/night camera that offers 480 TVL in color mode and 570 TVL in B/W 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, B/W images at night. The camera features digital signal processing, and its automatic backlight compensation prevents important foreground objects from becoming silhouetted against bright backgrounds.

The camera includes a variable high-speed electronic

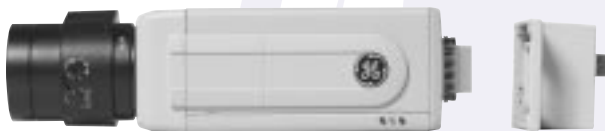
shutter that compensates for conditions ranging from bright sunlight to low-light environments. The KTC-2000DN's auto-iris circuit is also compatible with manual, video, and DC auto-iris lenses. The camera accepts both C- and CS-mount lenses.

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.

Features

- Ex-View HAD CCD
- Switches between color and B/W in low light
- 480 lines of resolution in color mode and 570 lines of resolution in B/W mode
- 0.1 lux sensitivity in color mode and 0.01 lux in B/W 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 auto-iris lenses
- Universal power supply 10–40 VDC / 18–30 VAC
- AC line-lock; phase adjustable
- Thumbwheel back focus
- Concealed DIP switches / control panel
- Recessed auto iris connector
- Local video test monitor output
- UL approved



Optional PlusPacks (patent pending) convert BNC analog video to another transmission media

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

- Twisted Pair
- Fiber Optic
- IP (future release)
- RF (future release)



GE Interlogix

**Product
Specification**

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High-Performance Day/Night Color Camera KTC-2000DN

Technical Specifications

Image Device

1/3 inch interline transfer
Ex-View 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 TV lines color mode
570 TV lines in B/W mode

Sensitivity

Color: 0.01 lux (faceplate)
0.1 lux @ f1.2 (SAGC, 30 IRE)
B/W: 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 second, automatic

Color Balance

ATW: Standard range of 2500 to 9500 K
AWB: 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 Ω load

Lens Selection

Accepts manual, video, or DC auto-iris 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

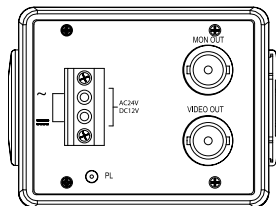
Weight

14.5 oz (412 g)

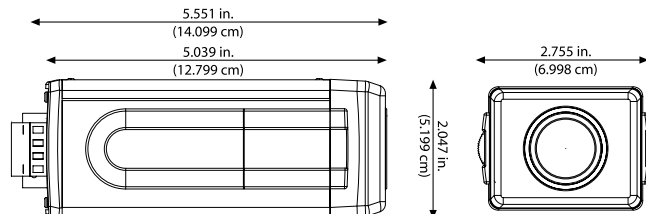
Options

PlusPack transmission conversion module

Back Panel



Dimensions



GE Interlogix

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