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## **KTC-815C**

*CamPlus High Resolution Color Camera*

### **Overview**

The KTC-815C is a high-resolution color camera that offers 480 TV lines of resolution, high sensitivity (0.5 lux), and advanced digital signal processing. The KTC-815C accepts both C- and CS-mount lenses. It 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-815C accepts manual lenses and is compatible with video and DC autoiris lenses.

The KTC-815C has advanced digital auto-tracking white balance (ATW) that provides accurate color rendition even under the most adverse lighting conditions. The camera incorporates a universal power supply that accepts either a 10 to 40 VDC or an 18 to 30 VAC input.

### **Optional PlusPacks**

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 Twisted Pair conversion outputs.



### **Standard Features**

- **480 TV lines of resolution**
- **0.5 lux sensitivity**
- **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**
- **Accepts PlusPack transmission conversion**
- **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-815C

CamPlus High Resolution Color Camera

## Specifications

### Image sevice

- 1/3 in interline transfer Super 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

### Sensitivity

- 0.05 lux (faceplate), 0.5 lux @ f1.2 (SAGC on, 30 IRE)

### Signal-to-noise ratio

- > 50 dB

### Electronic shutter

- 1/60 to 1/100,000 sec, automatic or manually selectable

### 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 lenses

### 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 (411 g)

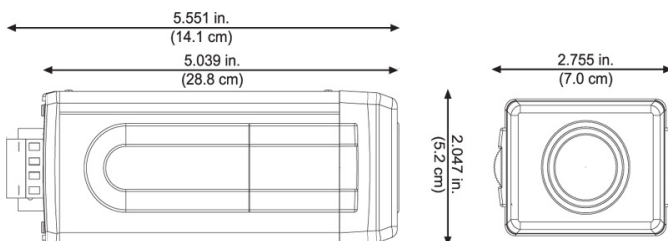
### Options

- PlusPack transmission conversion module

### Ratings and certifications

- UL listed

## 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

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