

High-Resolution Color Camera



The KTC-815C accepts both C- and CS-mount lenses.

The KTC-815C is a high-resolution color camera that offers 480 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.

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 auto-iris 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 KTC-815C incorporates a universal power supply that accepts either a 10 to 40 VDC or an 18 to 30 VAC input.

Features

- 480 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 auto-iris lenses
- Accepts PlusPack transmission conversion
- 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 other 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)



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Product
Specification

Technical Specifications

Image Device

1/3 inch 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 TV lines

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 second, automatic or manually selectable

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 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

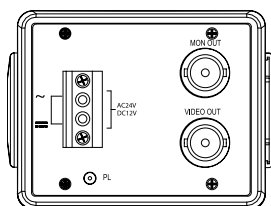
Weight

14.5 oz (411 g)

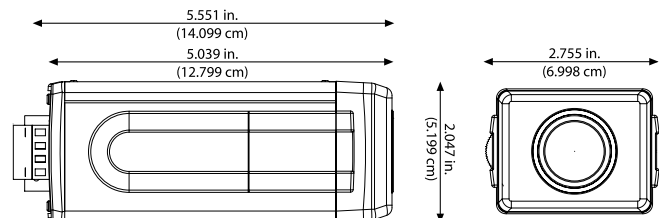
Options

PlusPack transmission conversion module

Back Panel



Dimensions



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