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KTC-540E

CamPlus EXview Black-and-White Camera

Overview

The KTC-540E is a high-resolution black-and-white camera that offers 600 TV lines of resolution, high sensitivity (0.01 lux), and advanced digital signal processing. The KTC-540E incorporates EXview™ technology and adjustable gain control for low-light performance and excellent infrared response.

The KTC-540E accepts both C- and CS-mount lenses. The camera's automatic backlight compensation prevents important foreground objects from becoming silhouetted against bright backgrounds.

Outstanding Features

The KTC-540E includes a variable high-speed electronic shutter that compensates for conditions ranging from bright sunlight to low-light environments. The camera accepts manual lenses and is compatible with video and DC autoiris lenses.

The KTC-540E 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

- **EXview CCD**
- **600 TV lines of resolution**
- **0.01 lux sensitivity**
- **Digital automatic backlight compensation**
- **Advanced digital signal processing**
- **Digital, horizontal, and vertical aperture correction**
- **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**

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Specifications

Image device

- 1/3 in interline transfer ExView HAD CCD

Signal system

- EIA standard, CCIR optional

Picture elements

- 811 H x 508 V (EIA), 795 H x 596 V (CCIR)

Scanning system

- 525 line / 60 frame (EIA); optional 625 line / 50 frame (CCIR)

Synchronizing system

- Internal/line-lock; phase adjustable

Resolution

- 600 TVL

Sensitivity

- 0.001 lux (faceplate), 0.01 lux @ f1.2 (SAGC on, 30 IRE), 0 lux visible light under IR illumination (730 – 1100 NM)

Signal-to-noise ratio

- > 50 dB

Electronic shutter

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

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

- 2 W

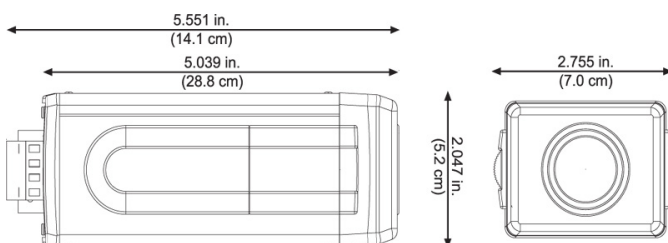
Weight

- 14.5 oz (411 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

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