KTC-105

Black-and-White Legacy Camera

Overview

The KTC-105 is an economical, general purpose black-and-white security camera that offers 380 TV lines of resolution and high sensitivity (0.01 lux). The KTC-105 accepts both C- and CS-mount lenses. Its selectable 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.

For the best results in situations with wide variations in lighting, such as outdoor applications or indoor applications that call on the camera to perform daytime and after-hours surveillance, an autoiris lens is recommended. The KTC-105's autoiris circuit lets you use both video and DC autoiris lenses.

Standard Features

- **380 TV lines of resolution**
- **High sensitivity (0.01 lux)**
- **Variable high-speed electronic shutter**
- **Accepts video and DC autoiris lenses**
- **Lightweight miniature design**

KTC-105

Black-and-White Legacy Camera

Specifications

Image sensor
- 1/3 in interline transfer CCD

Signal system
- EIA standard, CCIR optional

Picture elements
- 542 H x 494 V (EIA), 542 H x 584 V (CCIR), 2:1 interlace

Scanning system
- 525/60 lines (EIA); 625/50 lines (CCIR)

Synchronizing system
- Internal

Resolution
- 380 TVL

Sensitivity
- 0.01 lux (faceplate), 0.1 lux @ f1.2 (scene)

Signal-to-noise ratio
- > 46 dB

Electronic shutter
- 1/60 to 1/80,000 sec, automatic adjustment

Video output
- 1.0 V pk-pk video at 75 ohm load

Lens mount
- C and CS mount

Autoiris lens
- Accepts video and DC autoiris lenses

Operating temperature
- 14° to 122° F (-10° to 50° C)

Power source
- 12 VDC

Power consumption
- 1.9 W

Grayscale
- Minimum 10 shades

Geometric distortion
- None

Control (switch)
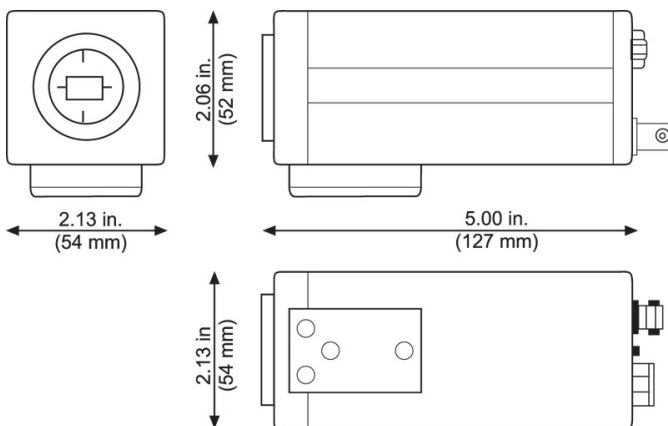- ELC: on (EE)/off (AI), Iris Control: ALC (DC/video), BLC: on/off

Humidity
- 0 to 95 percent, relative

Weight
- 7.3 oz (207 g)

Related Diagram

2.06 in. (52 mm)
2.13 in. (54 mm)
5.00 in. (127 mm)
2.13 in (54 mm)

Ordering Information

KTC-105