



www.ge-security.com

UltraView

High Resolution, Wide Dynamic Range Camera

Overview

The UltraView™ KTC-XP1 is a high-resolution, wide dynamic camera that uses innovative XPosure™ technology from GE. This technology optimizes the exposure for each pixel, showing details in the shadows and highlights. This performance allows every detail to be captured accurately even in the most challenging lighting conditions, making it ideal for high risk applications like ATM locations, business and bank entrances.

Outstanding Features

Unlike traditional charge-coupled device (CCD) solutions, which funnel millions of pixels per video frame through one analog-to-digital converter (ADC), XPosure cameras use a separate ADC for each and every pixel. The result is a dynamic range approximately 250 times better than that of the average CCD camera—up to 95 dB during normal operation—while achieving 480 horizontal and vertical and 460 vertical TV lines of resolution. And because XPosure samples each pixel several times per frame, it optimizes exposure for each pixel independent of other pixels in the frame. In contrast, a collectively averaged CCD camera will sample an entire array of pixels at the same time, producing images with both underexposed and overexposed pixels.

Wide Dynamic Range capability

The UltraView KTC-XP1 operates well in even the most challenging dynamic range situations without complicated setup. This fully automated system captures images in light as low as 0.4 lux, with a signal-to-noise ratio of up to 52 dB. Enhanced vertical resolution enables high quality digital functionality. Advanced image processing provides accurate, film-like colors even in high dynamic range scenes. Automatic white balance ensures good quality color rendition under all lighting conditions.



KTC-XP1

Standard Features

- GE XPosure technology
- 480 horizontal lines of resolution, 460 vertical lines of resolution
- Dynamic range 95 dB (typical), 120 dB (max)
- Internal, linelock sync modes
- NTSC / PAL selectable in one camera
- AWB / ATW
- Accepts manual, DC, and video autoiris lenses
- Universal power supply
- Preset modes optimized for various environments
- 5-button on-screen display interface
- Enhanced digital PTZ
- 0.4 lux @ f1.2

UltraView

High Resolution, Wide Dynamic Range Camera

Specifications

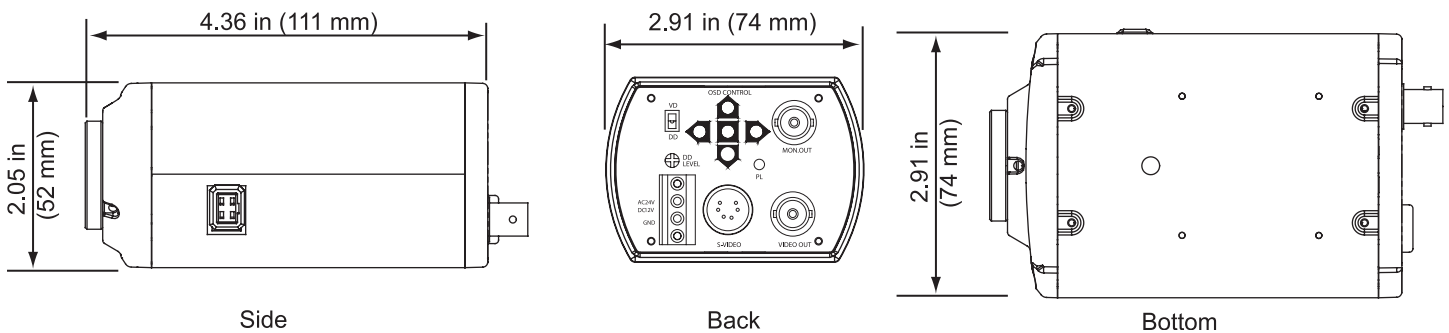
Camera

- Image device: 1/3 inch sensor
GE XPosure technology
- Dynamic range: 95 dB typical / 120 dB max
- Signal system: NTSC / PAL selectable
- Picture elements: 720 H x 540 V
- Scanning system: 525/60 lines (NTSC)
625/50 lines (PAL)
- Synchronizing System: Internal / AC line-lock
- Resolution: 480 TV lines (horizontal)
460 TV lines (vertical)
- Sensitivity: 0.4 lux @ f1.2, 30 IRE
- Signal-to-noise ratio: 52 dB
- Composite and S-Video Outputs: Can be used simultaneously, as well as monitor output
- Color balance: ATW, ATW-WIDE, HOLD
possible range of 2,000 to 11,000 K

Camera cont.

- Gain: AGC on / off
- Gamma correction: 0.45 (NTSC) / 0.36 (PAL)
- 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 mounts
- Operating temperature: 14° to 140° F (-10 to 60° C)
- Power source: Universal, 11 to 30 VDC / 18-30 VAC
- Power consumption: 3.9 W (12 VDC), 4.3 W (24 VAC)
- Weight: 14.5 oz (411 g)
- Regulatory: UL, CUL, FCC, CE

Dimensions



Mailing Address
4575 Research Way, STE 250
Corvallis, OR 97333 USA
www.ge-security.com

Americas
800-469-1676 (US only)
tel 541-754-9133
fax 541-754-7162

Asia
tel 852-2907-8108
fax 852-2142-5063

Europe
tel 32-2-725-11-20
fax 32-2-721-86-13

Australia
tel 61-3-9259-4700
fax 61-3-9259-4799

Latin America
tel 305-267-4301
fax 305-267-4300

www.ge-security.com