

GE's **UltraView KTC-XP3** is the next generation in wide dynamic range cameras. Like the first generation KTC-XP1, the UltraView XP3 uses the latest XPosure™ image analysis technology to provide world-leading performance in challenging lighting conditions combined with dramatically improved low-light performance.

XPosure technology optimizes the exposure for each pixel on the sensor, showing details in shadows and highlights. This performance allows every detail to be captured accurately even in the most difficult lighting conditions such as lobbies, loading docks, retail applications and ATMs with bright backlight.

Unlike traditional CCD cameras, which can only read the light hitting the sensor once, XPosure™ can read the sensor several dozen times per second and optimize each pixel's exposure level. In effect, each pixel gets its own analog-to-digital (ADC) converter. The result is a dynamic range 100 times better than standard CCD cameras—over 95 db in normal operations compared to 48 to 60 db on other cameras. Signal-to-noise ratios are also dramatically better with the UltraView XP3. And unlike CCD WDR solutions, XPosure performs without dropping frames or frame averaging.

But the biggest advance in the UltraView XP3 is its low-light performance. The XP3 provides image analysis that can be specifically tuned for each application. Features such as tunable gain stepping and individual color saturation sliders allow fine-tuning of the KTC-XP3 to fit

specific needs. Several pre-made profiles allow a user to set the camera up for the majority of situations, while intuitive and easy-to-use tuning features the XP3 to fit a range of requirements.

Another revolutionary feature of the UltraView XP3 is dual-temperature calibration. All cameras get hot, and when they do, they perform differently than when they are first set up. The KTC-XP3 is dual-temperature calibrated at the factory, so the camera knows how to adjust gain, white balance and other settings based on its environment. The camera is then able to get the best possible images in any situation and at any temperature.

The XP3 is 520 TVL, so images will appear in high resolution and with the crispest possible detail. For low-light images, the XP3 can be fine-tuned for gain control, and can be set to switch to low-light friendly black-and-white mode. Sensitivity on the XP3 is an amazing 0.5 lux at the sensor (50 IRE).

Like the KTC-XP1, the KTC-XP3 features dual analog BNC output, universal 12 VDC / 24 VAC power input, Digital OSD and the ability to switch from NTSC to PAL on the fly.

Features

- Next-generation XPosure technology
- Improves on original UltraView camera's low-light performance and color balance
- Uses less power
- Only camera on the market that continuously optimizes for its environment in real-time
- 520 horizontal lines of resolution
- Dynamic range 95 dB (typical), 120 dB (max)
- Optional progressive scan output
- Accepts manual, DC, and video autoiris lenses
- Preset modes optimized for various environments
- 5-button on-screen display interface

UltraView³

High-resolution, wide dynamic range camera with XPosure technology





Specifications

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Camera

- Image sensor: 1/3 in. sensor with GE XPosure technology
- Dynamic range: 95 dB typ./120 dB max.
- Signal system: NTSC/PAL selectable
- Scanning system: 525/60 (NTSC); 625/50 (PAL)
- Digital zoom: Up to 4x
- Synchronization: Internal / line-lock AC
- Pixels: 720 H x 540 V
- Resolution: 520 TVL horizontal/460 TVL vertical
- Sensitivity: 0.5 lux @ f1.2, 30 IRE
- Signal-to-noise ratio: 52 dB
- Color balance: ATW, AWB
- Gain: AGC on/off, fully programmable
- Gamma compensation: 0.45 NTSC/0.36 PAL
- Video output: Composite 1.0 V p-p at 75 ohms
- Lens mount: C/CS
- Lens options: Accepts manual, video, or DC autoiris lenses

Physical

- Dimensions (LxWxD): 4.36 x 2.91 x 2.05 in. (111 x 74 x 52 mm)
- Weight: 14.5 oz. (411 g)

Electrical

- Input voltage: 12 VDC or 24 VAC
- Power consumption: 12 VDC, 3.0 W; 24 VAC, 3.5 W
- Power source: Universal, 11 to 30 VDC/18 to 30 VAC

Environmental

- Operating temperature: 14 to 140°F (-10 to 60°C)

Regulatory

- FCC
- C-UL-US
- CE

Ordering information

KTC-XP3

UltraView 3 security camera

