# ACE IP Camera

Introducing the KG-Ace series of IP cameras. The KG-Ace IP camera is a first of its kind IP camera incorporating local storage and battery backup, within a compact form factor. The KG-Ace series of IP camera has been specially designed keeping in mind the requirements of the Indian market.

In many parts of India power failure is frequent. In many cases each power failure may last several hours. Providing an Uninterrupted Power Supply (UPS) to back up your surveillance system is an expensive option. So what happens to your surveillance during this time?

# The actual product may vary from the shown picture

Again, we face a variety of network faults : for wireless networks, spectrum conflicts with a cordless telephone can disrupt the stream of video data. For wired networks, there are many trivial issues (from the Ethernet switch cable pulled out to the switch being powered off) to more serious ones such as viruses that can shut down the network for a while.

Irrespective of the reason - network failure or power failure – security personnel are faced with the unenviable task of ensuring that critical surveillance data is not lost.

KG-Aceis the answer to these problems. It is an IP camera with an inbuilt battery-backup. This can keep the camera running for upto 2 hours (the typical period of power shutdown in most parts of India) on a single full charge of its Li-Polymer battery. In addition, if the network were to go down, KG-Ace stores surveillance data on an SD card provided by the user. Using VDOSync™ technology, this data can be synced up with the NVR.

KG-Ace is no slouch when it comes to the standard features of an IP camera. In its basic form it offers 720P resolution with H.264 encoding, triple streaming and PSIA compliance.

The features of the KG-Ace camera are:

- ✓ **½.5 inch progressive scan CMOS sensor**
- ✓ **H.264, MPEG-4 and MJPEG video compression (triple streaming)**
- ✓ **720p resolution (1280 x 720) at 30 fps**
- ✓ **Local storage of upto 1 week of recording[1]**
- ✓ **Battery backup of upto 2hrs**
- ✓ **Accessible from anywhere, through Internet or mobile device**
- ✓ **Real-time alerts based on motion detection**
- ✓ **PSIA compliance**

## PRODUCT SPECIFICATIONS

| Category | Spec | Value |
|---|---|---|
| Model | Model Name | KG-Ace-601 |
| | Model Types | Indoor/Outoor Box Camera |
| Image | Device | Progressive Scan CMOS sensor |
| | Size | ½.5 inch |
| | Resolution | 1280 x 720 |
| | Minimum Illumination | 0.5 Lux at F/1.2 (Color) |
| | | 0.2 Lux at F/1.2 (B&W) |
| Lens | Mount | CS-mount |
| | Focal Length | As provided by user-selectable lens |
| | Aperture | As provided by user-selectable lens |
| | Viewing Angle | As provided by user-selectable lens |
| Functions | Motion Detection | Yes (5 windows) |
| | Electronic Shutter | 1/30 to 1/1000 sec |
| | Back Light Compensation | Automatic |
| | Auto White Balance | Yes (2500K to 7000K) |
| | Auto Gain Control | Automatic |
| | Brightness, Contrast, Saturation, Hue Control | Yes |
| | Overlay | Time, Date, Text, Logo |
| | S/N Ratio | 44 dB |
| | Dynamic Range | 76 dB |
| Video Compression | Compression | H.264, MPEG-4 and Motion JPEG |
| | Resolution | 1280x720 (720p), 704x576 (D1), 640x480 (VGA), 352x288 (CIF) |
| | Frame Rate | Upto 30 fps |
| | Bit Rate | 28Kbps – 3Mbps |
| | Streaming | Triple streaming |
| Storage | External | Optional storage(SD Card) for upto 1 week of recording |
| External Interfaces | Ethernet | 10/100 Base-T, RJ-45 connector |
| | Video Out | Composite Output, CVBS, 1.0Vp-p with 75Ω loading, BNC connector |
| | Audio In | Unbalanced, 1.4V p-p, 1Vrms, 3.5mm phone jack |
| | Audio Out | Unbalanced, 1.4Vp-p, 1Vrms, 3.5mm phone jack |
| | Reset Button | Factory default |
| | SD Card | Micro-SD Memory Card Connector |
| | Digital I/O | 1 In, 1 Out: TTL through a terminal block |
| | LED | System power, Ethernet link and WLAN link |
| | Power | 5V DC power jack |
| Networking | Protocol | TCP, UDP, IP, DHCP, PPPoE, ARP, ICMP, FTP, SMTP, DNS, DDNS, NTP, UPnP, RTSP, RTP, HTTP, 3GPP/ISMA RTSP |
| | Web Server | Built-in web server, supporting Microsoft Internet Explorer 8 |
| Software | Video Management | Streaming, recording, archiving of upto 16 cameras. Compliant with PSIA specification. |
| | Installation | Auto-Installation at power-up |
| Security | User Security | Multiple user access levels with password protection, HTTPS encryption |
| Operation | Temperature | 0 – 50 Celsius |
| | Humidity | 0% - 85% non-condensing |
| Power | Power Consumption | Max 3.9 W (DC 5V) |
| | Battery Backup | 1500 mAh Li-Po battery, field-replaceable. |
| | Power-over-Ethernet | Compliant with IEEE 802.3af specification |
| Physical | Dimensions | 92mm (L) x 68mm (W) x 55mm (H) |
| | Weight | |
| Certification | Certification | CE, FCC, RoHS |