



Making Security Easier.

GKB Innovation



July 2010

GKB Innovation

GKB Security Corporation is dedicated to developing innovative technologies to offer solutions which can be tailored to your application or tender needs. These technologies make the camera more user-friendly and easy-to-use, and we are proud to introduce below, new functions of our latest camera series.

Day & Night Smart Timer™

Day & Night Smart Timer™ is an installer-friendly technology that helps you to install GKB cameras in different places with different light conditions without worrying about the camera picture turning to color or B/W at incorrect times.

		
5:00pm-11:00pm Opening hours Stay in color	11:00pm - 6:00am Closed hours Night mode	6:00am - 5:00pm Day time Auto switch

Day & Night Smart Timer™ technology allows the camera to be programmed for an automatic switch between day and night mode following a pre-determined schedule. The camera could be setup with Color mode or B/W mode with an "hour by hour" schedule, providing the installers/users with the most flexibility in different applications.



Benefits: Make the camera to be Color or B/W or Auto Switch between Color and B/W whenever you need it to be.

Application: Those places that light condition is either not too bright or not too dark which makes the camera "confused", like Pub, Bar, Restaurant, Hotel, Club, Party Place...etc.

Available Models: GKB 2706SH, GKB 2706, GKB 2806, GKB 5203OS, GKB 5206OS

Triple Night Sensor (TNS)™ Technology

Usually IR cameras use either external sensor (Eg. photo transistor) or internal sensor (Eg. CCD sensitivity program) to make a judgment on switching the image from color to B/W, and vice versa. GKB Triple Night Sensor (TNS)™ Technology allows the user to freely select which way to switch the image between color mode and B/W mode. According to different environments, GKB cameras provide the greatest degree of choice to installer, of any camera on the market today.

	
✓ PT	
✓ CCD	
✓ PT & CCD	

For Example, while the camera is installed in a dark place but points to a bright area; the user could select internal sensor (CCD Sensitivity Program) to make judgment on the switch between Color and B/W mode. If the lighting source is unstable, installer could also choose "I, E" from OSD menu; it means the camera would switch the image between color and B/W mode when external and internal sensors both send a positive signal to the camera.

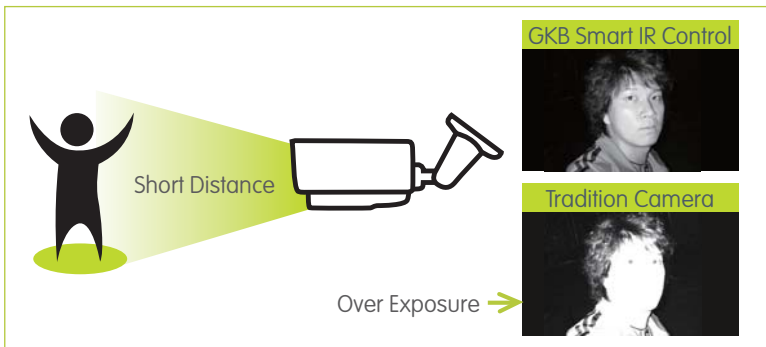
Benefits: To make the camera sense the light condition in an appropriate way to fit the installation environment.

Application: When the light conditions where the camera is installed is different from the light condition in where the camera is looking at, especially in a long distance or large area surveillance, like Street Surveillance, School, Prison, Harbor, Military Base, Building Entrance...etc..

Available Models: GKB 2706SH, GKB 2706, GKB 2806, GKB 5203OS, GKB 5206OS

Smart IR Control™

GKB innovative Smart IR Control™ technology deliver the best night image. While the object is close to the camera, the camera automatically adjusts its image to prevent IR over-exposure.



Benefits: To have a clear night vision even when the objects are very close to the camera.

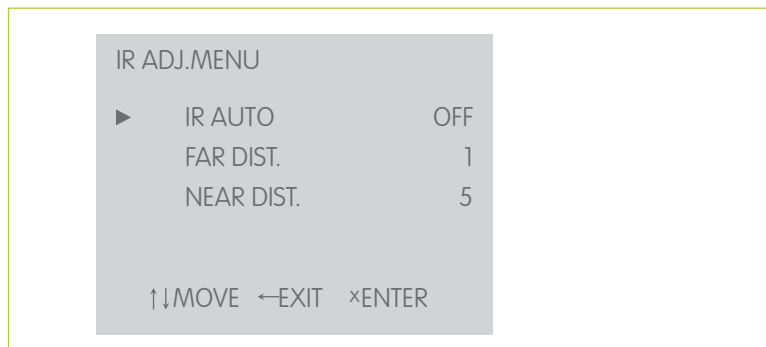
Application: General Day & Night Surveillance.

Available Models: All GKB IR cameras.

Adjustable IR Intensity™

GKB IR Cameras allow user to adjust the IR LED current to control the illumination according the lens angle and applied environment to deliver the best IR compromise between distance and image quality.

There are different angels of IR LEDs on the IR board; each LED controls IR illumination no matter how far or near scenes are. Users can adjust the IR intensity by OSD menu for various kinds of installation environments, providing the installation job with the best customization on IR illumination.



Benefits: Provides the zoom camera with good night vision performance, even when the lens keeps zooming in and out. Saves the LED power consumption and extends the LED reliability.

Application: Long Range Day & Night Surveillance, such as Street Surveillance, School, Resort, Prison, Harbor, Military Base, Boarder Surveillance...etc.

Available Models: GKB 2713

Failed LED Reminder™

GKB IR camera features a unique and practical Failed LED Reminder™ technology. Once any IR LED fails, a warning sign will automatically be shown on the screen to remind the user to change the IR board to obtain the best night image. This function saves installers and users' time and maintenance costs.



Benefits: Help installers to save the maintenance cost, and to make the maintenance easier.

Application: General Day & Night Surveillance.

Available Models: GKB 2713

Smart Heater™

For outdoor applications, the power supply is more unstable than indoor's. To prevent the components being damaged by unexpected power-off in extreme cold weather, Smart Heater™ is a new solution to solve the problem. While the camera is installed in arctic zone in a power-off situation, the temperature inside the camera would drop rapidly to minus degrees in a very short time. When the power is back to normal, the frozen electronic components of the camera might be damaged from electric current surge. GKB Smart Heater™ ensures the PCB is gradually heated and supplies the power to electronic components when the temperature inside the camera is back to normal.

Benefits: Ensures the camera works safely in low temperature. Protects the electronic components when power is lost and restored in low temperature environments.

Application: Winter Outdoor Surveillance.

Available Models: GKB 2706SH.