

# Y-CAM<sup>®</sup> Knight SD



**"One of the best wi-fi security cameras we have ever seen."**  
Computer Active Magazine



**"The Knight is a perfect, easy-to-use, standalone security solution"**  
Mac Format Magazine



Connect Wirelessly



Micro SD Slot



Secure Connection

PC/Mac

Compatible



Mobile Enabled



Email Alerts



Motion Detection



Night Vision

**View your world from anywhere ... anytime**

# Y-CAM<sup>®</sup> Knight SD

Easy to install, simple to operate, the high-performance Y-cam Knight SD camera operates independently, without the need to be connected to a computer, in full colour and infrared nightvision. View and hear, in real time, from anywhere in the World, via any internet-enabled computer or phone. If any motion is detected, the camera can instantly email you a snapshot, or record the video to a microSD card. Y-cam Knight SD is the ideal all-in-one surveillance & recording solution for home or business security, and can even operate outdoors using a Y-cam Shell.

## Special Features of this Model



### Infrared Night Vision

The Y-cam Knight SD utilises 30 infrared LEDs to provide high levels of "invisible" light in dark environments. The intelligent photosensitive components can automatically turn on the LEDs in low light conditions or the user can select "moonlight view" which superimposes frames together to increase brightness.

### Record direct to microSD



Using the built-in microSD card slot, the Y-cam Knight SD no longer needs to be connected to a network or the internet to store streaming video or motion alerts. Use the camera anywhere, even remote locations, & store video straight to microSD card, which is then viewable in your mobile phone, via connection to a TV or PC, or view directly from the camera over WiFi.

## Standard Y-cam Features

### Mobile Viewing



With support for MJPEG and 3GPP the camera provides a live view for multiple platforms, including mobile devices such as the iPhone and Blackberry. The Y-cam's live stream can be viewed using any mobile phone that can play VLC-compatible streams, such as Quicktime and RealPlayer.

### Wireless connectivity



Freedom to place the camera where required. With wireless wi-fi built-in (802.11b/g) connect to your camera from your wireless enabled computer, meaning there's no need for wires running around your property. Y-cam also supports WEP, WPA, WPA2 for total connection security.

### Email and FTP alerts



The Y-cam comes with useful alarm tools that will keep you notified if any motion is detected. It has built-in functions that can automatically send an email to you, or upload the video or images straight to a FTP server, meaning that your data will be safely stored offsite.

### PC and Mac Compatible

PC/Mac

The Y-cam SD is now fully compatible with both PC and Apple Macintosh computers across multiple web browsers. Mac users can now view live video with audio (using QuickTime), control the motion detection settings within a browser (using Adobe Flash), take snapshots from the live feed, and also record footage locally (using QuickTime Pro).

### Motion Detection



If the Y-cam detects movement in its field of vision, it can automatically send an e-mail alert notifying the owner that motion has been detected, with an attached image of the scene. Unlike conventional activity detection, the Y-cam uses vector information to detect motion, therefore achieving better reliability against false alarms.

### Secure Connection



Make sure your camera is secure using the Y-cams secure password authentication. Connect your camera to the internet or only on your local network, via network cable or WiFi, using powerful encryption methods such as WEP, WPA and WPA2, allowing you to be sure your cameras are only accessed by authorised users.

## Specifications & Requirements

**Product Code**  
YCK003

**EAN Number**  
5060158900138

### Camera

Image device - 1/4" CMOS  
Pixels - 310,000  
White Balance, Exposure, Gain - Auto  
Viewing angle - Horizontal: 60°, Vertical: 45°  
Focal length - f=3.6mm  
Aperture - F2.0  
Min illumination - 1.0 Lux (0 Lux in night vision mode)  
Infrared LED - 30  
Night Vision Distance\* - 12-15m  
Image compression - MPEG-4, MJPEG  
Max frame rate - 30fps @ 640x480  
Audio compression - AMR (4.75-12.2Kbps), G.726 (40/32/24/16Kbps)  
Built-in microphone - Yes  
SD slot - microSD card (16Mb - 8Gb)

### Network

Authentication - 2 levels, up to 64 users, 16 simultaneous  
Network protocols - TCP,UDP,IP,ARP,ICMP,DHCP,DNS,HTTP,FTP,SMTP,NTP, PPPoE,UoPn,DDNS  
Stream type - HTTP, RTSP/RTMP/RTCP, 3GPP, ASF  
Network connection - Ethernet (10BASE-T/100BASE-TX)

### Wireless LAN

Wireless technology - IEEE802.11b/g  
Frequency - 2.412-2.462GHz  
Transmission speed - Auto Switch up to 54Mbps  
Security - WEP (64/128 bit), WPA-PSK (AES/TKIP), WPA2-PSK (AES/TKIP)

### General

Power requirements - DC 5V  
Power consumption - 3.75W  
Operating temperature - -5 to +45°C (+22 to +113°F)  
Storage temperature - -20 to +60°C (-4 to +140°F)  
Operating humidity - 20-80%RH (Non-condensing)  
Storage humidity - 20-95%RH (Non-condensing)  
Dimensions (W x D x H) - 85mm x 85mm x 30mm  
Weight - 150g (Main Body)  
Supplied accessories - AC Adaptor (x1), Quick Start Guide (x1), CD-ROM inc. Setup Software & User Manual (x1), Stand (x1), Network Cable (x1)

### Minimum PC System Requirements

Operating system - Windows 2000/XP/Vista/Windows 7  
Processor - Intel Pentium III, 1GHz  
Memory - 256Mb RAM

### Minimum Mac System Requirements

Operating system - Mac OSX 10.4 (Tiger)  
Processor - 800MHz - PowerPC G4 or Intel  
Memory - 128Mb RAM (256Mb recommended)

### Viewing System Requirements

Web Browser Setup/Viewing - Microsoft Internet Explorer version 5.5 or later, Mozilla Firefox, Google Chrome, Safari & most other browsers  
Mobile Phone Viewing - 3GPP player, VLC, Real Player, QuickTime and most other VLC players.  
Y-cam Mobile Live Images feed can be viewed via most internet enabled devices

### Other Requirements

Broadband connection with at least 128kb/s upload recommended for Internet viewing.  
This Y-cam is for indoor use only (unless used with the Y-cam Shell external housing unit)

## Compatible Systems



## Compatible With



Y-CAM<sup>®</sup> Shell Black



Y-CAM<sup>®</sup> Shell White

## Other Y-cam Products



Y-CAM<sup>®</sup> Bullet



Y-CAM<sup>®</sup> Black SD



Y-CAM<sup>®</sup> White SD