

Y-CAM[®] Bullet HD



Delivering crystal clear clarity
in High Definition **HD**

HD

High Definition

WiFi

Secure Wireless

Micro

Micro SD Slot

PC/Mac

Compatible



Mobile Enabled



Email Alerts

H.264

Compression



Motion Detection



Weatherproof

PoE

Power Over Ethernet



2 Way Audio



True Day/Night



Night Vision



NAS & NVR Ready

View your world from anywhere ... anytime

Y-CAM[®] Bullet HD

The Y-cam Bullet HD delivers High Definition 720p video images over your network through Wi-Fi, PoE or Ethernet connections, operating independently, without the need to be connected to a computer, in full colour and infrared night vision.

If any motion is detected, the camera can instantly email you an alert with snapshot, store video to microSD, or record direct to virtually any NAS drive with NAS-Ready™.

Easy to install, simple to operate, secure to use; the weatherproof Y-cam Bullet HD can be viewed remotely from any PC, Mac, smartphone or tablet, including viewing direct on iPhone or iPad with audio.

Specifications & Requirements

Product Code - YCBLHD5

EAN Number - 5060158900374

Camera

Image device - 1/3" CMOS
Resolution - 1280x720 (HD 720p)
Pixels - 921,600
White Balance, Exposure, Gain - Auto
Viewing angle - Horizontal: 64°, Vertical: 36°
Focal length - f=4.2mm
Aperture - F2.0
Min. Illumination - 0.5 Lux (0 Lux in night vision mode)
Infrared LED - 12
Night Vision Distance - 12 to 15m
IR Cut Filter - Yes
Image compression - H.264, MPEG-4, MJPEG
Max. frame rate - 30fps @ 1280x720
Audio compression - AAC, AMR (4.75 -- 12.2Kbps), G.726 (40/32/24/16Kbps)
Built-in microphone - Electret Condenser Microphone

Network

Authentication - 2 levels, up to 64 users
Network protocols - TCP, UDP, IP, ARP, ICMP, DHCP, DNS, HTTP, FTP, SMTP, NTP, UPnP, DDNS
Stream type - HTTP, RTSP/RTMP/RTCP, 3GPP, ASF
Network connection - Ethernet (10BASE-T/100BASE-TX)
Power over Ethernet (PoE) - 802.3af

Wireless LAN

Wireless technology - IEEE802.11b/g/n
Frequency - 2.412-2.462GHz (40 MHz-wide channel - 400ns GI)
Transmission speed - Auto Switch up to 108Mbps (1 Spatial Stream)
Security - WEP (64/128 bit), WPA-PSK (AES/TKIP), WPA2-PSK (AES/TKIP)

External Ports

Audio Output (2 way audio) - Yes
SD Slot - microSD card (16Mb - 16Gb Capacity)
Digital I/O - 1 input, 1 output

General

Power requirements - DC 12V
Power consumption - 3.5W
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 (D x H) - 70mm x 190mm
Weight - 700g (Main Body)
Supplied accessories - AC Adaptor (x1), Quick Start Guide (x1), CD-ROM inc. Setup Software & User Manual (x1), Stand (x1), Network Cable (x1), Sun Shield (x1), Breakout Box (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 256kb/s upload recommended for Internet viewing.
This Y-cam is designed for indoor or outdoor use, and is IP66-rated (weatherproof).

Compatible Systems



symbian

Apple iPhone

Android

BlackBerry



PC / Mac

Standard Y-cam Features

Motion Detection & Alarms

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, or it can upload footage to an FTP server so data is securely stored offsite. Unlike conventional activity detection, the Y-cam uses vector information to detect motion, therefore achieving better reliability against false alarms.

Secure Wireless Connectivity

Freedom to place the camera where required with built-in Wi-Fi connecting directly to the Internet. Y-cam supports WEP, WPA, and WPA2 for total connection security, as well as utilising secure password authentication so only authorised users get access.

View on your Mobile Phone

Y-cam offer free smartphone apps to easily view and access multiple cameras from your mobile phone, with free apps available for iPhone, Android, BlackBerry, Symbian and more. Support for H.264, MJPEG and 3GPP streams means the camera feed can be directly viewed on virtually any mobile device.

PC & Mac Compatible

Y-cam is compatible with both PC and Apple Macintosh computers, as well as with multiple web browsers. Users can view live video with audio, control the motion detection settings, take snapshots from the live feed, and record footage locally, from any browser on any computer.

NAS & NVR Drive Compatible

The Y-cam range is not only compatible with market leading NVR drives from manufacturers such as QNAP, Synology and AVerMedia, but our unique NAS-Ready™ feature allows a Y-cam to record directly to virtually any NAS drive. NAS-Ready™ lets a Y-cam talk to any NAS drive using the CIFS/SMB protocol, allowing for virtually unlimited storage of footage and alerts.

Special Features of this Model

High Definition HD 720p Video

The Y-cam Bullet HD delivers crisp High Definition 720p video images. Enjoy full resolution video at 30 frames per second for a truly spectacular high-definition experience, ideal for securing areas where greater image detail is required.



H.264 Compression & AAC Audio

The latest H.264 compression technology allows the Bullet HD to efficiently utilize your network, even with the highest-quality video. Compatibility with AAC audio also allows for direct connection from iPhones and iPads with full video and audio.

H.264



True Day/Night Picture

Using an Infrared Cut Filter, the Bullet HD produces true day and night quality images around the clock

Professional Connectors

The Y-cam Bullet HD comes with Power over Ethernet allowing you to transmit data and power over a single cable, a Digital I/O for systems integration, and 2-way audio capability (provided by a built-in microphone and audio out connector) allowing you to remotely talk to anyone at your cameras site.

I/O

PoE



Weatherproof

The Bullet HD is an IP66-rated outdoor camera - its waterproof and has shielded cables to ensure smooth operation in all weathers.

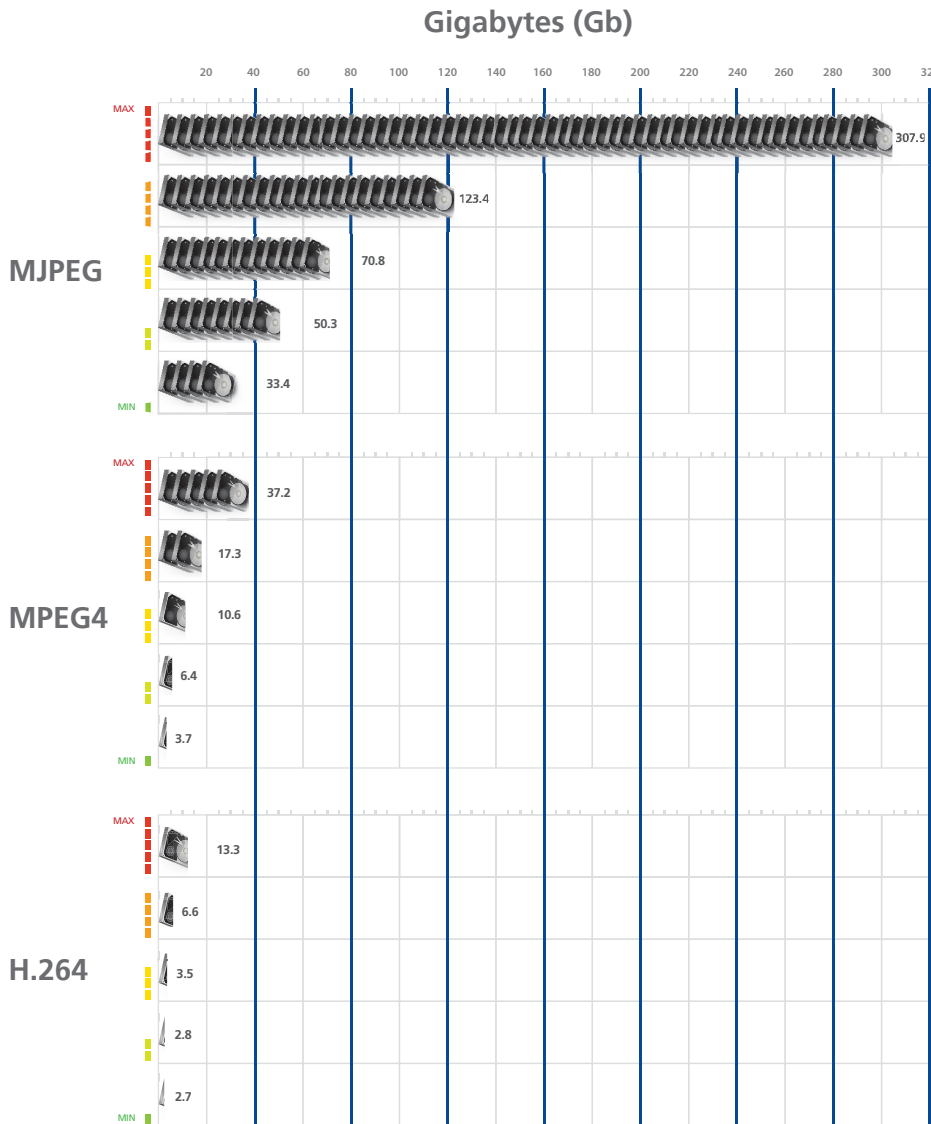
Record direct to microSD

Using the on-camera microSD card slot, the Y-cam Bullet HD doesn't need 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 footage directly from the camera over Wi-Fi.



Y-CAM[®] Bullet HD

Storage space required for 24 hours of continuous recording

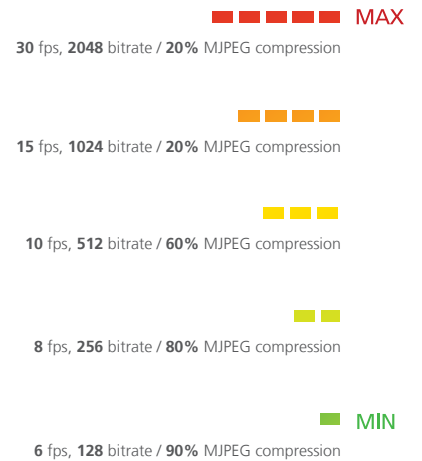


Providing a choice of MJPEG, MPEG4 or H.264 compressions methods, the Y-cam Bullet HD allows you to choose the best video format to suit your needs.

By using H.264, the Bullet HD can store 20x more video in the same space of a MJPEG file – meaning a lower usage cost as less storage is required.

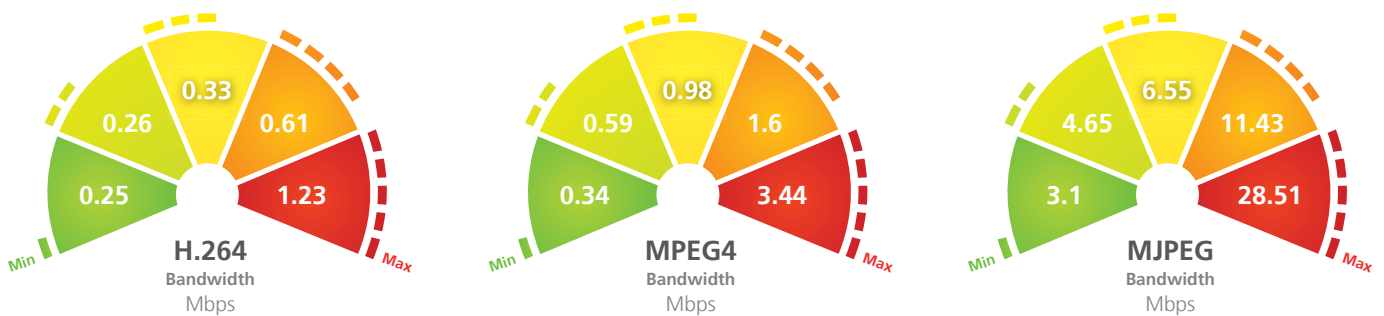
Using a lower quality camera setting and a 16gb internal microSD card, the Bullet HD can record continuously for 1 week without the need for any additional hardware.

Camera quality settings



Bandwidth requirements per second

The Bullet HD's stream settings means that you can configure your camera to suit your network or viewing habits. By using H.264, the Bullet HD lets you view your camera using just a fraction of the bandwidth used by MJPEG.



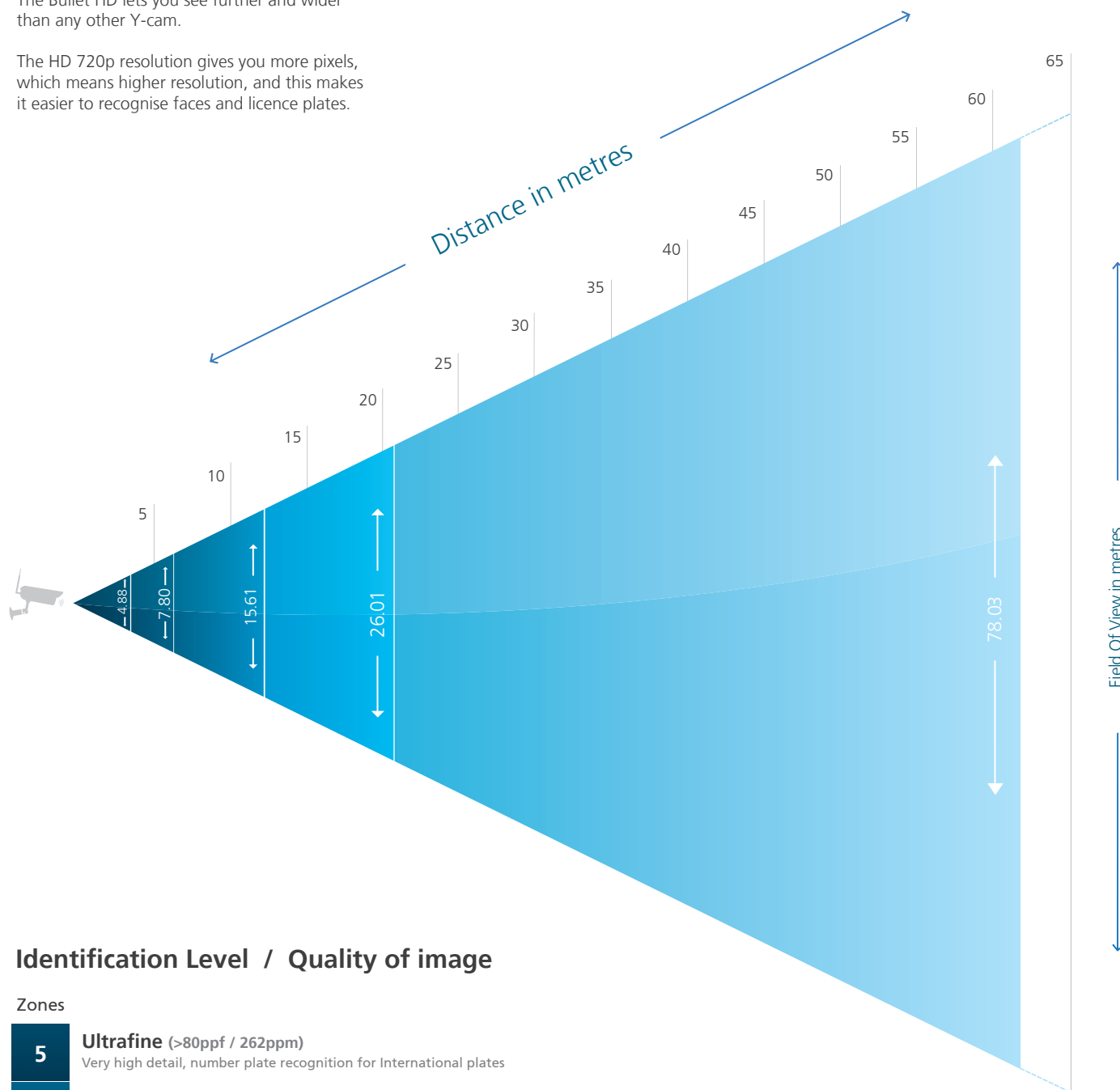
Please note: Due to the advanced compression technologies, these figures are dependent upon the amount of motion, and complexity, within the frame of video. The less movement, the smaller files produced by the compression. If there is lots of movement, like a busy street, then the files will be larger. The figures here have been estimated on an "average" or "medium" level of activity and complexity in the scene.

Y-CAM[®] Bullet HD

How far can you see?

The Bullet HD lets you see further and wider than any other Y-cam.

The HD 720p resolution gives you more pixels, which means higher resolution, and this makes it easier to recognise faces and licence plates.



Identification Level / Quality of image

Zones

5	Ultrafine (>80ppf / 262ppm) Very high detail, number plate recognition for International plates
4	Superfine (>50ppf / 164ppm) Good facial recognition, number plate recognition for EU plates
3	Fine (>25ppf / 82ppm) Facial recognition of known subjects
2	Normal (>15ppf / 49.2ppm) Some identification of features
1	Basic (>5ppf / 16.4ppm) Limited identification of features

Please note: This information is designed as a guide. Image quality will greatly depend on lighting and scene conditions. We recommend customers test cameras to ensure the results will meet their requirements, and be careful comparing spec sheets with cheaper cameras – there is usually a good reason they're cheaper. Not all pixels are created equal. Different cameras will achieve different quality levels at the same pixel density. Y-cam ensures high quality by optimising the complete package of lens, sensor, processor and cables.