

# COPYKNIGHT

A new era in copyright protection

## CopyKnight produces the solution that rights holders have been looking for

Digital rights holders around the world are seeing a reduction in their revenues due to an epidemic in electronic piracy. Peer to peer networks illegally distribute their content, without any control of the rights holder. While some governments have legislated to stop this activity, they are generally unable to effectively enforce that legislation.

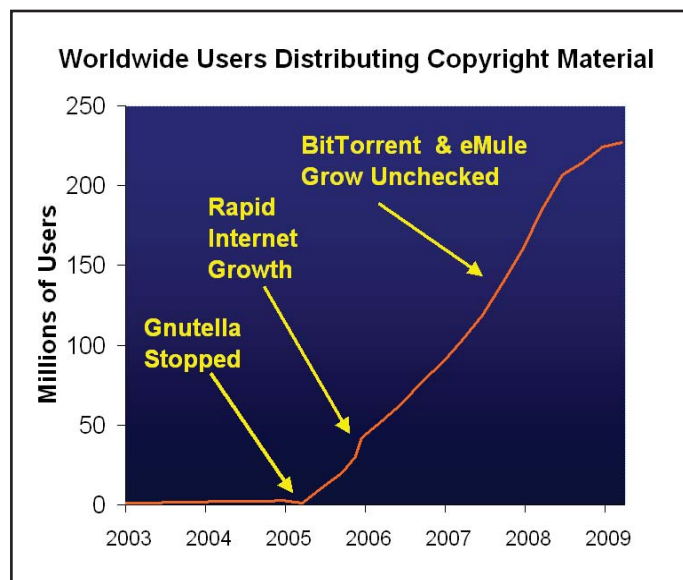
In the UK alone, the music and film industries estimate they lose circa £460 million per annum, and recently Fox Studios estimated they lost \$15 million

for just one film, when a pre-production release of Wolverine was released onto a file-sharing network. These figures are not surprising, when recent survey revealed that one in five British Internet users admitted to downloading copyright material, which equates to 6.8 million people in the British Isles.

This problem should not be seen as only a UK issue or even a European issue, this is a worldwide pandemic of copyright infringement. Current data from CopyKnight's PeerScope™ database shows that 43% of infringements are in Europe, 37% in USA and 12% in Asia.

Over the last two years CopyKnight Technologies has been developing a new patent pending technology to defend rights holder's assets. This cutting edge technology approaches the problem from a fresh viewpoint, by directly detecting and blocking the transmission of copyright material.

Current approaches are based on detecting certain protocols within a network, and blocking those protocols, but up until this point it has been impossible to detect whether or not this protocol is being used for legitimate purposes. CopyKnight's technology detects the immediate transmission of copyright material, independent of protocol or method of transmission. This allows CopyKnight's technology to be used even when a new protocol is developed, so the rights holder's can stay one step ahead of the pirates.



## About Us

CopyKnight Technologies is a UK company and was founded by leading Internet professionals. They bring to the business a wealth of experience, gained from the very dawn of the commercial Internet business.

CopyKnight's CopyShield series of appliances are designed from their very core to assist rights holders in protecting their assets. They are designed to be highly scalable, allowing them to be easily connected either to a Corporate Network or in an Internet Service Provider's network at the access or core network level.

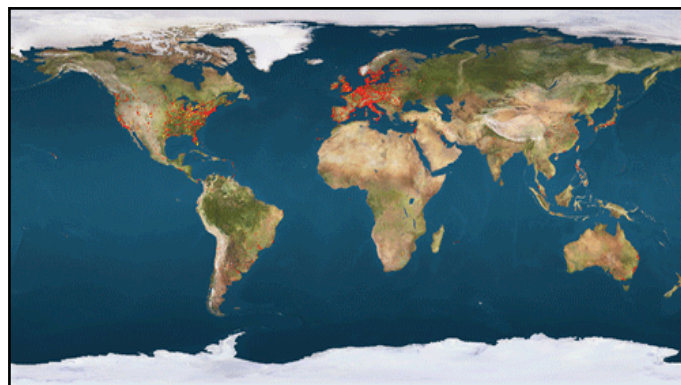
## Techology

Central to CopyKnight's detection system is its PeerScope™ Database. This database is maintained 24 hours a day 7 days a week, and is instantly able to respond to copying of Digital Rights Holder material. Once a CopyShield appliance has detected the copying of material, it can update the PeerScope™ thereby alerting other CopyShield appliances of the threat.

CopyShield appliances can be operated in several different modes:

- **Observe** – Here it is placed on a mirror port or an optical splitter, it plays no involvement in the network it is placed in, and is invisible to the end user. It is however able to highlight the users involved with possible illegal activity.
- **Disrupt** – Here it is again placed on a mirror port or on an optical splitter, but it injects into the network packets designed to disrupt and thereby block the copying of the material. This option might be used where an ISP or company want to gain confidence in the CopyShield appliances.
- **Block** – Here the CopyShield appliance is placed in line with the transit of the network it is protecting. Every packet leaving the network passes through the CopyShield, and blocking any copyright material. This mode provides ultimate protection.

Digital Rights holders are able to see in real time, via the PeerScope™ database, the number of computers involved with illegal copying of material, and the percentage of the current communications that CopyShield appliances are able to reject.



## Products

The CopyKnight product range contains 3 main products:

### CopyShield Express

This device is suitable for corporate or educational environments. The device is placed on the uplink of the network to the internet and automatically blocks any copyright material.

### CopyShield 1G

This device is suitable for positioning in the access network of an internet service provider. It is capable of processing 1Gbps of traffic.

### CopyShield 10G

This device is suitable for positioning in the core network of an internet service provider. It is capable of processing 10Gbps of traffic.

## Demonstrations

CopyKnight are able to demonstrate the overall system within your office environment, using its (not for sale) CopyShield Demo. This small portable device demonstrates the operation of PeerScope™ and the CopyShield product line.

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