



Product Brochure



Rapid Digital Forensics Triage

Cyacomb Forensics has created a new generation of tools that can search devices for contraband in minutes.

The technology replaces traditional MD5 based searches that take many hours or even days. As well as dramatically accelerating processing, these tools are fast enough to use for triage on-site or in the lab, helping to prioritise analysis of devices that are known to contain contraband.

Cyacomb Forensics' tools deliver results in seconds or minutes, identifying those devices that contain contraband and those that almost certainly do not. Rapid results allow forensic analysts to focus their investigative efforts on devices that are likely to yield useful evidence, and to avoid wasting time on devices that do not contain anything incriminating.

Searching Suspect Computer Hard Drives

Cyacomb Forensics' search software works with a Contraband Filter (a much faster and more secure alternative to an MD5 hash set) and can be applied using a traditional forensic approach (removing the hard drive and connecting to an analyst's laptop using a Forensic Write Blocker) or using a version of the software supplied on a bootable USB drive to analyse the suspect's computer directly.

Within a few minutes Cyacomb Forensics' software will give a result:

Red

Indicates items matching the Contraband Filter have been found on the device.

Amber

No items matching the Contraband Filter have been found, but something of note has been identified, such as potential encryption.

Green

Indicates that, given the parameters and confidence levels set, the device is statistically unlikely to contain anything that matches the Contraband Filter.





Data Management

Cyacomb Forensics' data management tools are used to create Contraband Filters from original content.

The following four data management products are available:

Cyacomb Collector

A desktop tool for building and managing Contraband Filters on a small scale and merging Contraband Filters from different sources – for example combining local data from a recent investigation with a comprehensive dataset shared from a national database.

Cyacomb Core

Integrate Cyacomb Forensics' technology into a datacentre workflow using Cyacomb Core, to process larger datasets and create automated workflows.

Cyacomb Filter Builder

Extends the detection capabilities of a Contraband Filter by creating Contraband Filter plugin from new material uncovered during an investigation, such a first generation material.

Data Management Overview

Cyacomb Forensics offers search technology with applications throughout the investigative process.

	Filter Builder	Collector	Core
Data Size (Images)	10k	100k	Unlimited
Deployment	Standalone desktop	Standalone desktop	Enterprise/ National
Users	Single user, single machine	Single user, single machine	National users
Contraband Filter Distribution	Manual	Manual	Automated
Persistence	Single Case	Multiple Cases	National Database
Managed data	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
Automatic back-up	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
Integrated Security			<input checked="" type="radio"/>
Automatic filter generation + distribution	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>

☒ Available ☐ Manual

See page 9-11 for further details of our Data Management tools



Cyacomb Forensics' Search Tools

Empowering law enforcement, significantly reducing risk, eliminating backlog and digitally enabling front-line policing.

Our four tools offer rapid digital triage at every stage of the process, from suspect examination to offender management:

Cyacomb Examiner

Cyacomb Examiner is Cyacomb Forensics' flagship forensics tool, intended for users who require maximum control of processing and detailed results.

Cyacomb Responder

Designed for use by frontline investigators, Cyacomb Responder has a simplified user interface and rapidly triages devices for illegal content without deep knowledge of digital forensics.

Cyacomb Mobile Triage with DATAPILOT 10

The same powerful and fast Cyacomb Examiner search technology is now available to scan mobile phones. This tool combines all the features of DATAPILOT 10 with Cyacomb Forensics' technology that scans for known illegal child abuse and terrorism material.

Cyacomb Offender Manager

A dedicated and bespoke offender management tool developed closely with feedback from offender managers, parole and probation officers. Utilising Cyacomb Examiner's game changing rapid triage capability, the tool is simple, fast and thorough.

Search Technology Overview

Cyacomb Forensics offers search technology with applications throughout the investigative process.

	Examiner	Responder	Offender Manager	Mobile Triage
Intended User	Forensic Analyst	On Scene	Offender Manager	On Scene
Red/Amber/Green Result	✓	✓	✓	✓
Detect Encryption	✓	✓	✓	✓
PDF Report	✓	○	○	✓
Image Preview	✓	○	○	✓
Configurable	✓			✓
Simplified UI		✓	✓	
For Forensic PC	✓			
For Bootable Media	✓	✓		
For Live Examination	✓	✓	✓	
IOS & Android devices				✓

✓ Available ○ Availability configurable

See page 5-8 for further details of our Data Management tools



Cyacomb Examiner

For forensic analysts who want results fast.

It replaces slow MD5 scans for known Indecent Images of Children or Terrorist related material with a tool that is 20-100x faster, results in seconds or minutes even from large and slow target devices.

Cyacomb Examiner is Cyacomb Forensics' flagship forensics tool, intended for users who require maximum control of processing and detailed results. It can be used from your own laptop (usually through a write blocker) or directly on a target device using a USB bootable version (which mounts target drives read-only).



Features

- Identifies previously known files, and shows their category/classification
- Detects remnants of deleted and partially downloaded files
- Detects and warns of high levels of encryption on disk
- Full control of scan options
- Results preview using forensically sound internal viewer
- Detailed results, with PDF report
- Run from a forensic computer, bootable media or live on suspect computer

Benefits

- Accelerate triage by finding evidence in seconds or minutes
- Target offences involving Child Sexual Abuse Material or Terrorism images

Buying Options

- Annual license subscription with USB Dongle
- Forces Pack with a tailored selection of Cyacomb Forensics' tools

Did You Know?

Cyacomb Forensics' tools work at the disk's block level, so can find fragments of deleted files, and even fragments of files from deleted partitions.



Cyacomb Responder

Cyacomb Responder allows front line investigators to rapidly triage devices for illegal content without deep knowledge of digital forensics, thanks to a simplified user interface.

As with Cyacomb Examiner, it replaces slow MD5 scans for known Indecent Images of Children or Terrorist related material with a tool that is 20-100x faster, delivering results in seconds or minutes even from large and slow target devices.

Cyacomb Responder can be pre-configured by experts to ensure the correct settings are used and to restrict access to features. Designed with fail safe processes, so the device can be passed to a skilled forensic analyst if further scrutiny is required. It can be used directly on a target device using a USB bootable version (which mounts target drives read-only), or from an analysis laptop (usually through a write blocker).



Features

- Simple Red/Amber/Green result
- Detects deleted files and high levels of encryption
- Pre-configurable by expert users: scan options, availability of PDF reporting, Media Preview
- Run from the dongle 'Live' or 'Bootable'

Benefits

- Find evidence in seconds or minutes
- Simplified user interface for front-line staff
- Target offences involving Child Sexual Abuse Material or Terrorism images

Buying Options

- Annual license subscription with USB Dongle
- Forces Pack with a tailored selection of Cyacomb Forensics' tools

Did You Know?

Cyacomb Forensics' tools will identify Contraband Filter matches for a huge range of filesystems including NTFS, FAT, exFAT, ext2, ext3, HFS+.

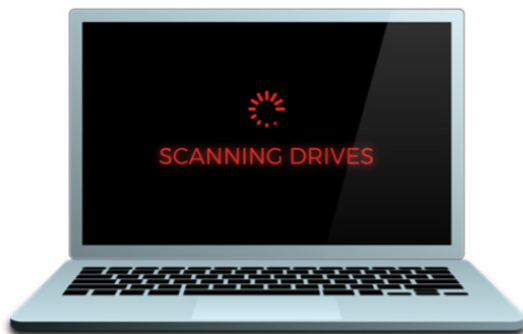


Cyacomb Offender Manager

Cyacomb Offender Manager supports home visits to managed offenders released on parole or probation. It provides a simple user interface and maximises the chances of finding contraband.

Scans can be pre-configured by forensic experts to ensure the correct settings are used, and to restrict access to features to avoid unnecessary complexity. The tool can be used directly on a live system from USB media, or a can be rebooted from USB if preferred (which mounts target drives read-only).

The tool does not require the operator to have digital forensics expertise and can be used with minimal training. Users simply hit the 'Scan' button to commence.



Features

- Simple Red/Amber/Green result
- Detects high levels of encryption on disk
- Pre-configurable by expert users
- Use to search a Live System

Benefits

- Find evidence in seconds or minutes - scans based on time available
- Target offences involving Child Sexual Abuse Material
- Detects partially deleted and partially downloaded files

Buying Options

- Annual license subscription with USB Dongle
- Forces Pack with a tailored selection of Cyacomb Forensics' tools

Did You Know?

Cyacomb Offender Manager shares Cyacomb Examiner's powerful core technology, but is optimised to support the home visit of Offender Managers, Parole and Probation Officers.



Cyacomb Mobile Triage with DATAPILOT 10

Cyacomb Mobile Triage combines all the features of DATAPILOT 10 with Cyacomb Forensics' technology that scans for known illegal child abuse and terrorism material fast.

Cyacomb Mobile Triage comes with all the features of the DATAPILOT 10, including data slice capability, enabling collection of contacts, calls, messages, images, files and app data. Evidence can be mirrored directly from the target device in real time and created with built-in cameras. DATAPILOT 10 powers target devices, offers optical character recognition search, and works on IOS and Android devices. DATAPILOT 10 is a handheld, purpose built, Windows IoT computer device.

Buying Options

- Annual licence subscription to Cyacomb Mobile Triage, plus DATAPILOT 10 purchase and licence
- Forces Pack with a tailored selection of Cyacomb Forensics' tools

Did You Know?

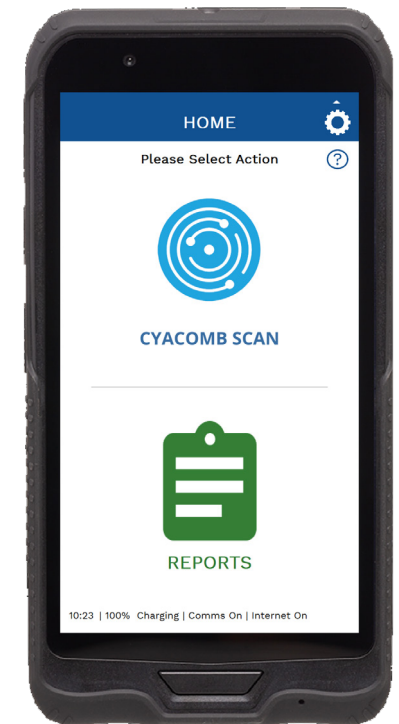
Cyacomb Mobile Triage with DATAPILOT 10 uses the same core technology as Cyacomb Examiner, and enables the same powerful search technology to be used on cell phones.

Features

- Shares Contraband Filter format with Cyacomb's other tools
- Simple and clear Red/Green results to make informed decisions on scene
- Portable and rugged, purpose built handheld computer devices for use in the field
- Low training burden

Benefits

- Companion tool to Cyacomb Examiner and Cyacomb Offender Manager
- Supports better investigative decisions
- Digitally enables police users
- Target offences involving Child Sexual Abuse Material or Terrorism images





Cyacomb Filter Builder

Cyacomb Filter Builder allows a forensic analyst to build a Contraband Filter Plugin from newly recovered material to use alongside an existing Contraband Filter.

During investigations, new material is often recovered that is not currently included in the investigator's Contraband Filter. Cyacomb Filter Builder is a tool which creates a Contraband Filter Plugin and allows suspect devices to be scanned for this new material alongside the existing Contraband Filter.

Cyacomb Filter Builder can create a Contraband Filter Plugin from up to 10,000 files.

Features

- Simple user interface
- Quickly collect up to 10,000 newly recovered files
- Scan for new material alongside an existing Contraband Filter

Benefits

- Allows flexibility to create investigation specific Contraband Filters
- Enables investigators to confirm if new material has been uploaded elsewhere





Cyacomb Collector

Cyacomb Collector allows a forensic analyst to build Contraband Filters from original images, videos and documents, and to merge Contraband Filters.

Contraband Filter files are inherently secure. It is not possible to extract useful information about their content and they can still be merged in their secure form. They cannot be built from hash lists and can only be built from original data.

Cyacomb Collector is a desktop tool which creates a Contraband Database by extracting information from original material. Cyacomb Collector can process datasets of up to 100k files.

Buying Options

- Annual license subscription with USB Dongle
- Forces Pack with a tailored selection of Cyacomb Forensics' tools

Did You Know?

Contraband Filters are fixed sizes (1, 4 or 8 GB...) but ZIP compression will dramatically reduce their size for archiving or sharing (by e-mail or online).

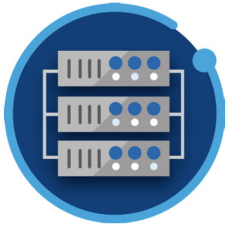
Features

- Simple user interface
- Use on Forensics PC

Benefits

- Inherently secure
- Power tool to share and use confidential data in frontline tools
- Search speed unaffected as Contraband Filter size increases





Cyacomb Core

Cyacomb Core allows Cyacomb Forensics' Contraband Filter building technology to be incorporated into datacentres and automated workflows.

Designed to build fully integrated Contraband Filters from national and international sized datasets, and then update those Contraband Filters when new material becomes available. Cyacomb Core offers flexible integration options and can process any size of dataset.

Contraband Filter files are inherently secure - offering Intelligence and law enforcement agencies a powerful method for sharing and using confidential data in frontline tools.

Buying Options

- Enterprise licencing
- Contact us to discuss your use case

Did You Know?

The inherent security of Contraband Filters has been independently verified by two separate security groups.

Features

- Flexible API-based architecture allows integration into software in national databases, plus auto collection and distribution
- A bespoke tool that can be built and tailored around infrastructure needs

Benefits

- Add Cyacomb Forensics Contraband Filter technology to existing databases and intelligence platforms
- Enable rapid triage nationally and worldwide using comprehensive datasets





Cyacomb, Codebase,
3 Lady Lawson Street
Edinburgh, Scotland EH3 9DR