ROKE

Vigil AI CAID Classifier

The Worldwide Gold Standard for CSAM Classification

Fast and highly accurate detection and categorisation of previously unseen image and video Child Sexual Abuse Material (CSAM).

The Vigil AI CAID Classifier

Our technology exploits a Deep Learning based AI engine that spots and classifies child abuse imagery just like the best-trained law enforcement operators in the world. Operating at lightning speed, the technology can detect and grade without any psychological burden.

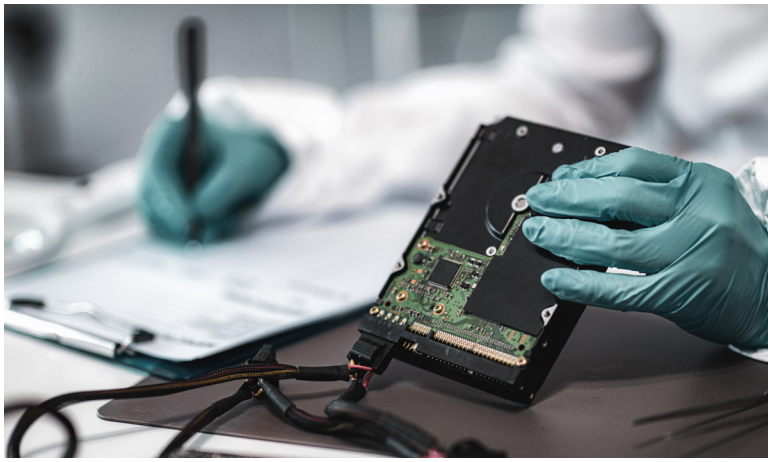
Vigil AI is part of our commitment to make a positive difference to our local communities, leveraging the passion and knowledge of our teams and using technology in innovative ways to help save children from sexual violence.

World-class technology

Vigil AI is the only classifier on the market that has been trained on the world-renowned UK Child Abuse Image Database. This produces highly accurate results that can help law enforcement worldwide prioritise cases and protect children from ongoing harm.

Enhance your taskforce response

- Identify first generation CSAM
- Scan, categorise and prioritise millions of images per hour;
- Help identify and safeguard victims sooner;
- Gain immediate insights into offender's sexual interests;
- Support intelligence gathering efforts;
- Reduce the psychological harm to investigators;
- Move from a forensic backlog to proactive policing



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Easy to deploy and use

Simple to deploy with integration for common forensics tools or direct API access. Adaptable to different workflows, infrastructures and technology stacks across:

- National and Federal Agencies;
- Local Police Forces;
- Specialist Investigation Bureaus;
- International Police Organisations; and
- Counter-terrorism units

Key Specifications

Feature	Description
Throughput	Images: Up to 1.44 million images per hour, with 10-100 images per second on PC/laptops, increasing to 100-400 images per second with GPU acceleration. Video: 24 hours of video processed within 2.5 hours (Up to 10x Real-Time)
Output Categories Supported	Legal Adult Pornography UK CAID 1 - CSAM UK CAID 2 - CSAM UK CAID 3 - CSAM UK CAID 6 - Indicative Benign/Distraction
Classifier Accuracy	Please contact for details.
Media Types Supported	Image types supported include: .gif, jpeg, jpg, jpe, bmp, dib, png, webp, pmb, pgm, ppm, pxm, pnm, pfm, sf, ras, tiff, tif, hdr, pic. Video types supported include: .3gp, avi, flv, mkv, mp4, m4p, m4v, mpg, mpeg, mts, ogg, mov, qt, vob, webm, wmv Live streaming prototype available on request
Operating Systems	Microsoft Windows 10 (Bare Metal) Virtual Machine options available
Hardware Requirements	Almost any modern PC platform supported Optional GPU acceleration (contact us for supported GPUs)
Integrations Available	Direct via API (See API details below): Griffeye DI Pro, Griffeye CS, Blue Bear LACE
API Details	gRPC (Proto3) API; Service communication is over HTTP
License Control	Challenge response or internet activation
Internet Access	Only required if using internet activation; no media data is recorded or sent externally
Pricing	Licensing options including per user and enterprise are available
UK Home Office Contact	On Request

Roke are Changing Worlds

Roke is a world-leading UK technology company and a pioneer in science and engineering. For over 60 years we've been improving the world through innovation by combining the physical and digital in new ways. We create technologies and products to solve real world technical challenges and help deliver critical missions for our customers. Our deep knowledge of sensors, communications, cyber and AI means our 600+ engineers are uniquely placed to combine and apply these technologies to solve real world technical challenges and help deliver critical missions for our customers.

As a trusted partner, we welcome any problem, and are confident that our consulting, research, innovation and product development will keep people safe.

For more information on the items discussed in this document you can contact us:
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