



Watermarking & Document Tracing

Comprehensive document protection and leakage tracking solution

Protect · Identify · Trace · Control · Audit





Module Overview

AnySecura Watermarking & Document Tracing integrates four core capabilities, providing enterprises with comprehensive document protection through watermarking and precise leakage source identification for complete information security.



Watermark Types & Content

Multiple watermark formats (text, image, QR code, dot matrix) and circulation information for Office files, PDFs, and images.



Watermark Management

Manual watermark control and approval-based workflows for removal and watermark-free external transmission.



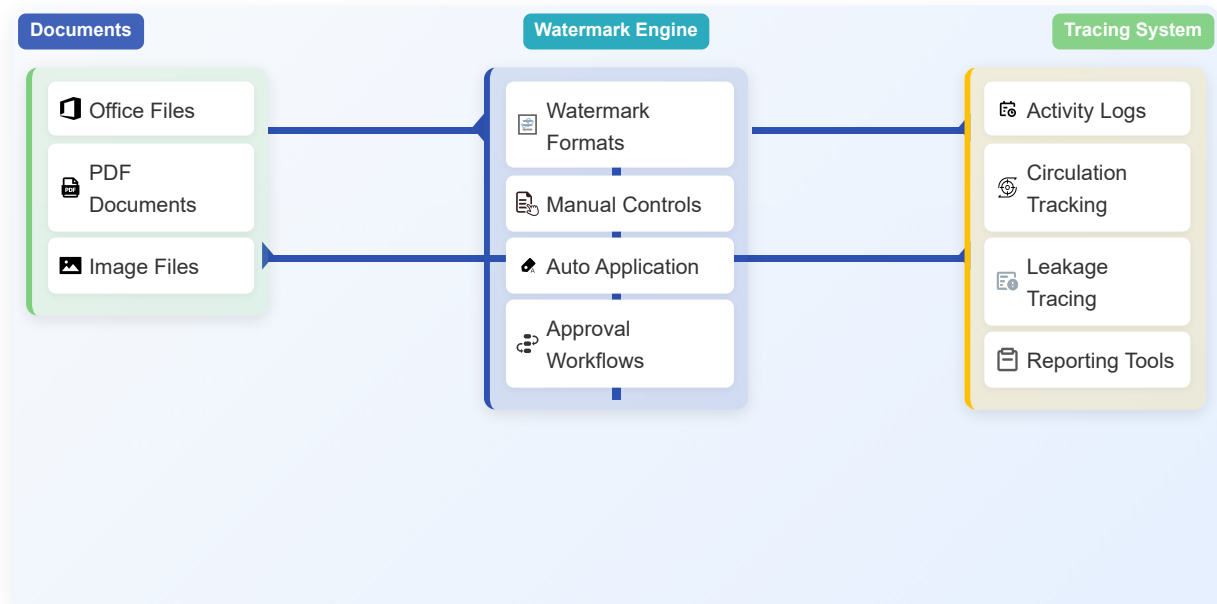
Automated Watermarking

Trigger-based watermark application during external transmission, local saving, decryption, printing, and screen display.



Tracing & Audit

Comprehensive logging of watermark activities and circulation records to trace leakage sources and ensure compliance.





Watermark Types & Content

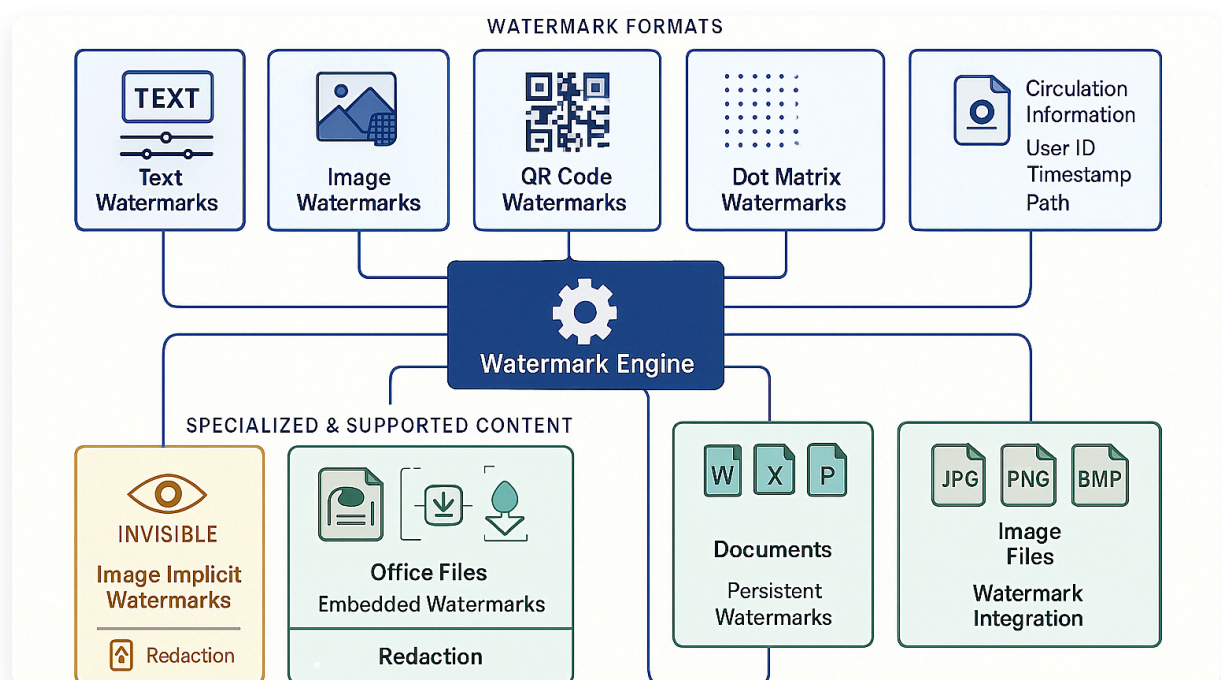
Comprehensive watermarking capabilities supporting multiple formats and document types for versatile information protection.

Watermark Formats

- Text Watermarks:** Customizable text overlays with configurable font, size, opacity, and rotation.
- Image Watermarks:** Company logos or custom images with adjustable transparency and positioning.
- QR Code Watermarks:** Scannable codes containing document metadata, ownership, or tracking information.
- Dot Matrix Watermarks:** Subtle pattern watermarks that persist through cropping and editing.
- Circulation Information:** Embedded metadata including user ID, timestamp, and distribution path.

Specialized & Supported Content

- Image Implicit Watermarks:** Invisible digital watermarks embedded in images, extractable via tools for verification.
- Office Files:** Full support for Word, Excel, and PowerPoint documents with embedded watermarks.
- PDF Documents:** Persistent watermarks for PDF files that remain intact through saving and sharing.
- Image Files:** Watermark support for JPG, PNG, BMP, and other common image formats.





Watermark Management

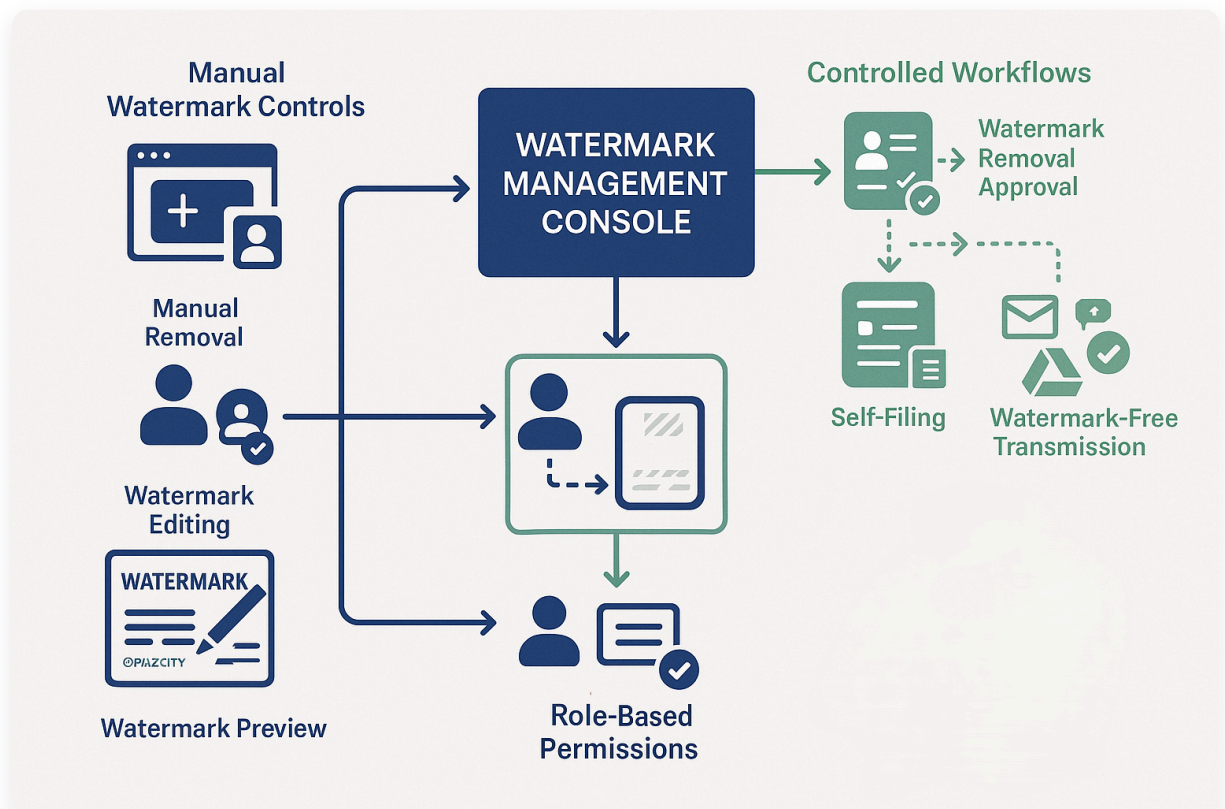
Flexible control over watermark application and removal with approval workflows to ensure proper document handling.

Manual Watermark Controls

- Manual Addition:** Users can directly apply watermarks to documents as needed.
- Manual Removal:** Authorized users can remove watermarks from specific documents.
- Watermark Editing:** Modify existing watermarks including content, position, and appearance.
- Watermark Preview:** View how watermarks will appear before applying to documents.

Controlled Workflows

- Watermark Removal Approval:** Formal application and approval process for removing watermarks.
- Self-Filing:** Option for users to document and file reasons for watermark removal.
- Watermark-Free Transmission:** Approved external sharing without watermarks through formal processes.
- Transmission Backup:** Automatic backup of all externally transmitted files for compliance.
- Role-Based Permissions:** Granular control over who can add, remove, or modify watermarks.





Automated Watermarking

Trigger-based watermark application ensuring consistent protection across various document handling scenarios.

Transmission Triggers

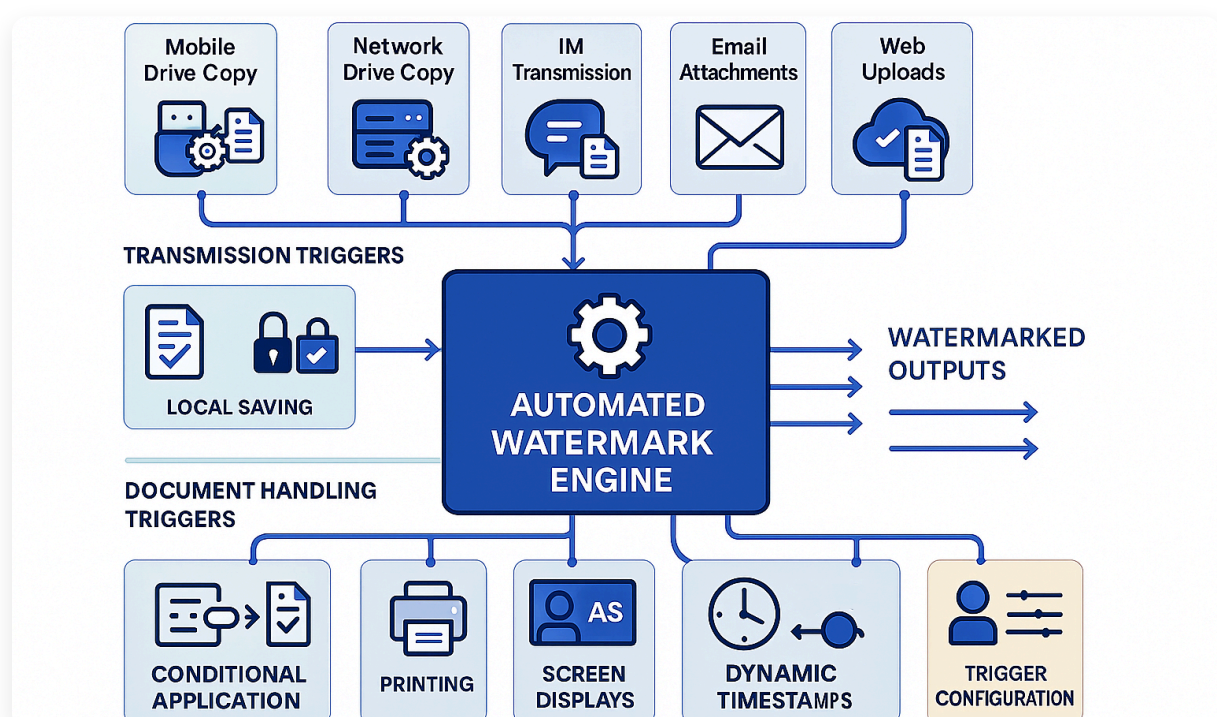
- Mobile Drive Copy:** Automatic watermarking when documents are copied to external drives.
- Network Drive Copy:** Apply watermarks when documents are transferred to network storage.
- IM Transmission:** Add watermarks to documents sent via instant messaging tools.
- Email Attachments:** Watermark documents attached to outgoing emails.
- Web Uploads:** Apply watermarks when documents are uploaded to websites or cloud storage.

Document Handling Triggers

- Local Saving:** Add watermarks when documents are saved to local drives.
- Decryption:** Apply watermarks when encrypted documents are decrypted for access.
- Printing:** Add visible watermarks to documents when sent to printers.
- Screen Display:** Show watermarks on computer screens to prevent photography leakage.
- Real-time Updates:** Automatically update watermarks when document ownership changes.

Customization Options






- Conditional Application:** Configure watermark rules based on document sensitivity and classification.
- User-Specific Watermarks:** Include user ID or name in watermarks for personalized tracking.
- Dynamic Timestamps:** Add creation or access timestamps to watermarks for temporal tracking.
- Trigger Configuration:** Customize which actions trigger automatic watermark application.








Tracing & Audit

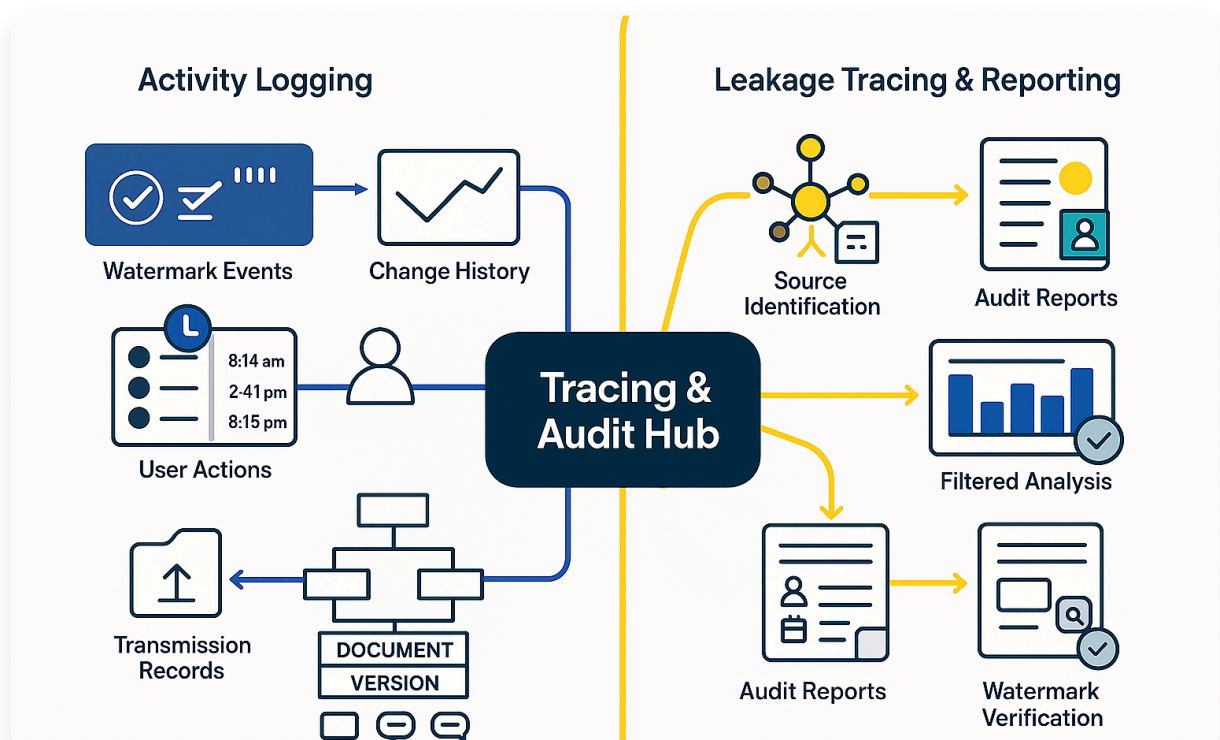
Comprehensive logging and tracking capabilities to monitor document circulation and identify leakage sources.

Activity Logging

-  **Watermark Events:** Record all instances of watermark addition, modification, and removal.
-  **Change History:** Track modifications to watermark content, type, and appearance over time.
-  **User Actions:** Log which users performed watermark operations with timestamps.
-  **Document Associations:** Maintain records linking watermarks to specific documents and versions.
-  **Transmission Records:** Store backups of all externally transmitted files for audit purposes.

Leakage Tracing & Reporting

-  **Source Identification:** Trace leaked documents to their original computer nodes using embedded markers.
-  **Circulation Mapping:** Visualize document flow through the organization to identify leakage points.
-  **Audit Reports:** Generate comprehensive reports on watermark activities and document circulation.
-  **Filtered Analysis:** Query logs by document, user, date range, or action type for targeted investigations.
-  **Watermark Verification:** Tools to extract and verify embedded watermarks for authentication.



Application Scenarios

1. Deter Leakage via Photography

The Challenge

A technology company faces persistent issues with sensitive information leakage through smartphone photography of screens and printed documents. Confidential product designs and specifications are regularly captured and shared outside the organization.

The Solution with AnySecura

Implementing comprehensive **Watermarking & Document Tracing** capabilities:

1. Deploy screen watermarks displaying employee IDs on all workstations
2. Configure automatic visible watermarks on sensitive documents when opened
3. Add QR code watermarks to printed documents for source identification
4. Implement dot matrix watermarks on product design images for tracing
5. Enable implicit watermarks in images for hidden identification

Results Achieved

- ✓ 90% reduction in information leakage through photography
- ✓ Positive identification of 100% of traced leakage incidents
- ✓ Significant deterrent effect due to visible watermarking

2. Trace Leakage Source

The Challenge

A financial institution discovers confidential client data has been leaked to competitors, but has no way to identify which employee or department is responsible. The organization needs to pinpoint the source to prevent future incidents.

The Solution with AnySecura

Leveraging **Circulation Tracking** and **Leakage Tracing**:

1. Analyze the leaked document to extract embedded watermarks and circulation information
2. Query audit logs to trace the document's distribution path through the organization
3. Identify all users who accessed the document using watermark metadata
4. Review timestamp records to determine when and how the document was accessed
5. Pinpoint the specific computer node from which the leakage occurred

Results Achieved

- ✓ Successful identification of the leakage source within 24 hours
- ✓ Implementation of targeted security measures to prevent recurrence
- ✓ Improved employee awareness leading to 65% reduction in incidents



Core Values & Benefits



Enhanced Document Security

Multiple watermarking techniques deter unauthorized sharing and provide persistent identification of document ownership.



Leakage Source Identification

Comprehensive tracing capabilities help quickly identify the source of leaked information for targeted remediation.



Flexible Control

Combination of automated and manual watermark management provides both security and operational flexibility.



Compliance & Accountability

Detailed audit logs and circulation records support regulatory compliance and provide clear accountability.

Ready to Enhance Your Document Protection?

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