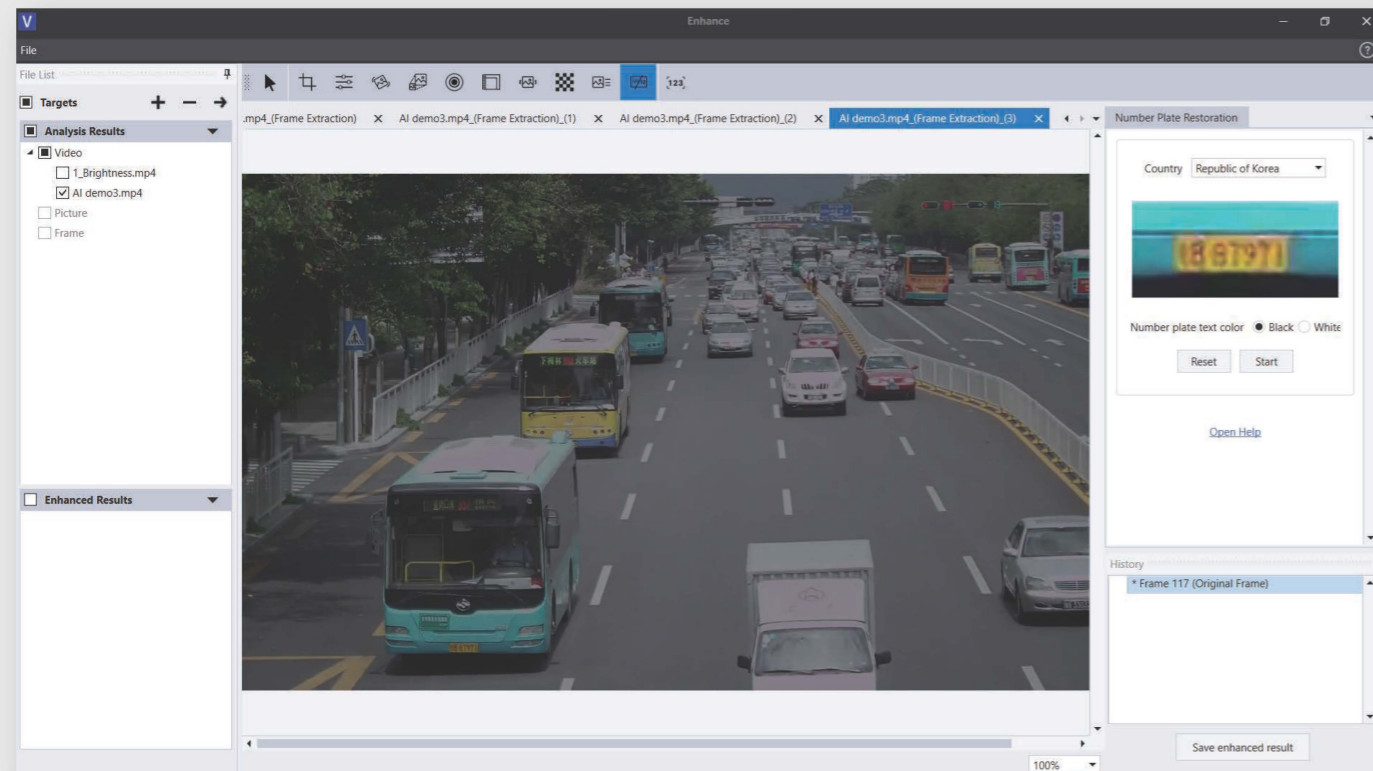# MD-VIDEO AI

Video Forensic Software for Recovery, AI-based Image Enhancement & Analysis

MD-VIDEO is a video forensics software that supports recovery, and analysis of video files. Deleted and damaged video frames can be recovered, and enhancement feature supports to improve the quality of the target frame. Moreover, AI-based video analysis feature enables time-efficient investigation. More than 80 kinds of objects can be detected & recognized. The efficient filtering & sorting options help investigators to easily find the object.

Product Specification

Video/Audio Recovery

- Auto-scanning of partition
- Deleted and damaged file recovery
- Supports extraction from various data sources
- Supports various video file ++systems
  • FAT12, FAT16, FAT32, TAT16, TAT32, NxFS
  • NTFS, exFAT, HFS+, EXT, EXT2, EXT3, EXT4, F2FS, VDFS, APFS
  • YAFFS, EFS2, TFS4
  • HIKVISION, DHFS4.1, WFS0.4, TANGO, RSFS, WOW, XFS, WEBGATE, STL
- Signature-based file recovery (DAV, MP4, MOV, MKV, MPEG, SSF, AVI, ZAV, PS)
- Frame extraction and reassemble from the damaged video file
- Video frame recovery with the codec information of local codec file or local video file
- Partial recovery for the specific time range of OCR time or time data
- Recovery of time from the metadata
- Recovery of SILK format audio files

Video Analysis

- Object detection
  • AI-based object detection
  • Detected objects categorization
  • Grouping same objects detected
  • Color and Area Filter for any objects
  • Time Filter (Provides time offset setting for viewing the detected objects in the desired time zone)
  • Object Filter (Provides filter for the user to view only relevant objects)
- Video summarization
- Video display quality enhancement
- Restoration of vehicle number plate

Image Enhancement

- Image editing and adjustment
  • Crop, zoom, rotate/reverse, filter, color/brightness/contrast, super-resolution, motion deblur, perspective transform, lens distortion correction, deinterlacing, focus correction, image overlay

File Exportation and Reporting

- Exports original and converted file
- Format converter
  • JPG and PNG
  • AVI and MP4
  • MP3 and AMR
- Summarized scene is saved as a video file
- Assurance of evidence data integrity
- Report file formats - PDF, Excel

Hardware Acceleration

- Multi-core CPU/GPU support for video analysis acceleration

*Contact us for more detailed product spec information.

System Requirements

OS	Windows 10(64bit) or above
CPU	i7 or above
GPU	1 or more multi-core GPU card for acceleration
RAM	8GB or above
HDD	8TB or above
USB	2 or more USB 2.0/3.0/3.1 ports
Resolution	1024 x 640 or above

Product Components

MD-VIDEO AI Installation Software (USB/Online)

USB Dongle Key 1EA

Warranty 1 Year