Supported Source Data Formats

- Forensic Image File Formats
- Direct Sector Access to Physical and Logical Devices

Forensic Image File Formats

HstEx® natively supports a number of different image and output file formats. The following table represents a summary of the supported file types.

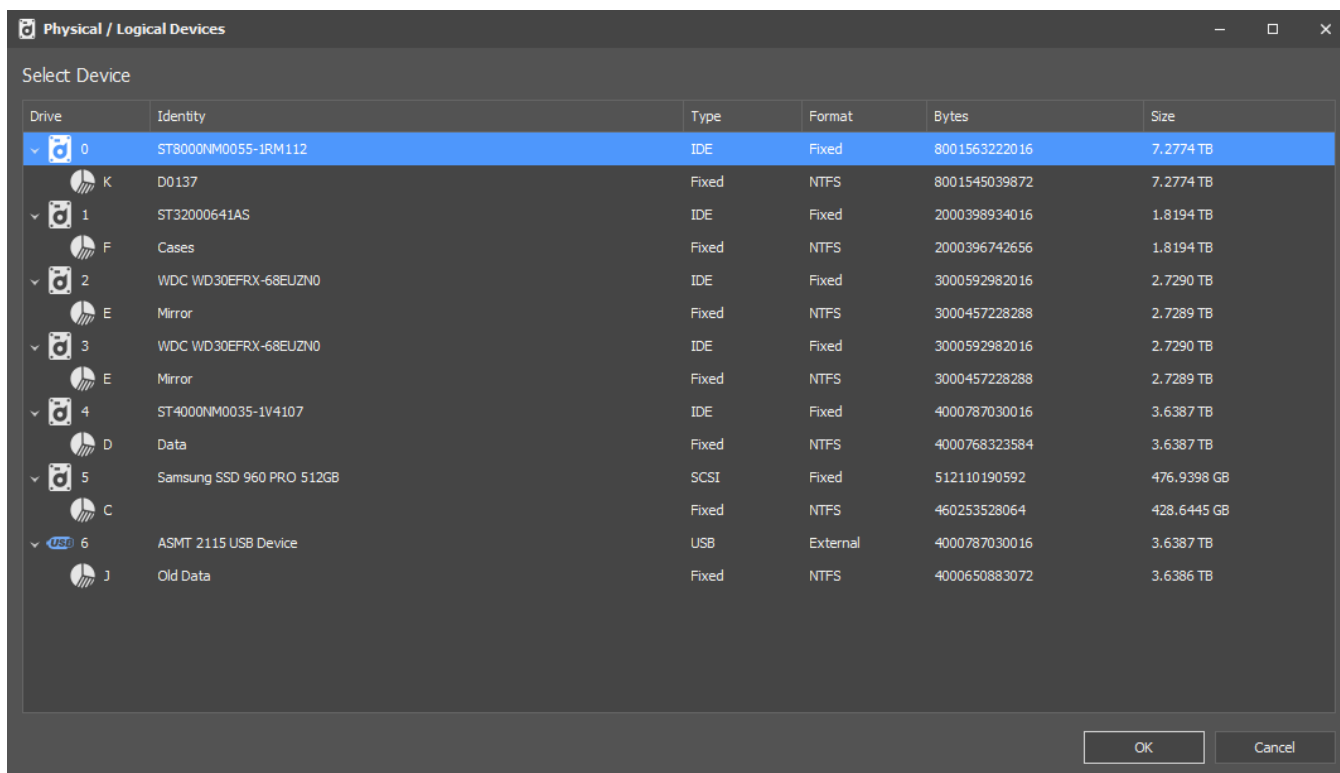| File Format	File Extensions
EnCase® Image File (EVF / Expert Witness Format)	*.e01
EnCase® Evidence File Format v2	*.ex01
EnCase® Logical Evidence File Format v1	*.L01
EnCase® Logical Evidence File Format v2	*.Lx01
SMART/Expert Witness Image File	*.s01
X-Ways Forensics Image File	*.e01
VMWare Virtual Disk File	*.vmdk
Multi-Volume ZIP Archive **NEW**	*.zip
Virtual Hard Disk	*.vhd
Segmented Image Unix / Linux DD / Raw Image Files	*.000, *.0000, *.00000, *.001, *.0001, *.00001
Single Image Unix / Linux DD / Raw / Monolithic Image Files	*.dd; *.img; *.ima; *.raw
Memory Dumps	*.dmp; *.dump; *.crash; *.mem; *.vmem; *.mdmp
Binary Dumps	*.bin; *.dat; *.unallocated; *.rec; *.data; *.binary
Mobile Phone Raw Binary Memory Dumps	*.bin

> ⚠ **Note**
>
> We have dropped support for the Advanced Forensics Format (AFF) in HstEx® v4.

Direct Sector Access to Physical and Logical Devices

HstEx® has the ability of directly accessing at the sector level any physical or logical devices attached to the host system. This allows the user to employ write blockers and to recover data directly from a disk or external media.

Drive	Identity	Type	Format	Bytes	Size
0	ST8000NM0055-1RM112	IDE	Fixed	8001563222016	7.2774 TB
K	D0137	Fixed	NTFS	8001545039872	7.2774 TB
1	ST32000641AS	IDE	Fixed	2000398934016	1.8194 TB
F	Cases	Fixed	NTFS	2000396742656	1.8194 TB
2	WDC WD30EFRX-68EUZN0	IDE	Fixed	3000592982016	2.7290 TB
E	Mirror	Fixed	NTFS	3000457228288	2.7289 TB
3	WDC WD30EFRX-68EUZN0	IDE	Fixed	3000592982016	2.7290 TB
E	Mirror	Fixed	NTFS	3000457228288	2.7289 TB
4	ST4000NM0035-1V4107	IDE	Fixed	4000787030016	3.6387 TB
D	Data	Fixed	NTFS	4000768323584	3.6387 TB
5	Samsung SSD 960 PRO 512GB	SCSI	Fixed	512110190592	476.9398 GB
C		Fixed	NTFS	460253528064	428.6445 GB
6	ASMT 2115 USB Device	USB	External	4000787030016	3.6387 TB
J	Old Data	Fixed	NTFS	4000650883072	3.6386 TB

> **⊘ Warning**
>
> Do **NOT** mount supported image types and then process them as if they were physical or logical devices. This makes no sense whatsoever and will result in really slow processing. If the image type is supported, then using HstEx® to natively process the image is by far the fastest and most effective method. If you have an image format that is not supported, please contact support.
>
> A write blocker should be used when accessing physical or logical devices directly. If the hard disk is failing, please use a data recovery imager to capture the data from the device first and run HstEx® against the resulting image.