

Standard Operation Procedures

VIP-Disk Imaging



Applications

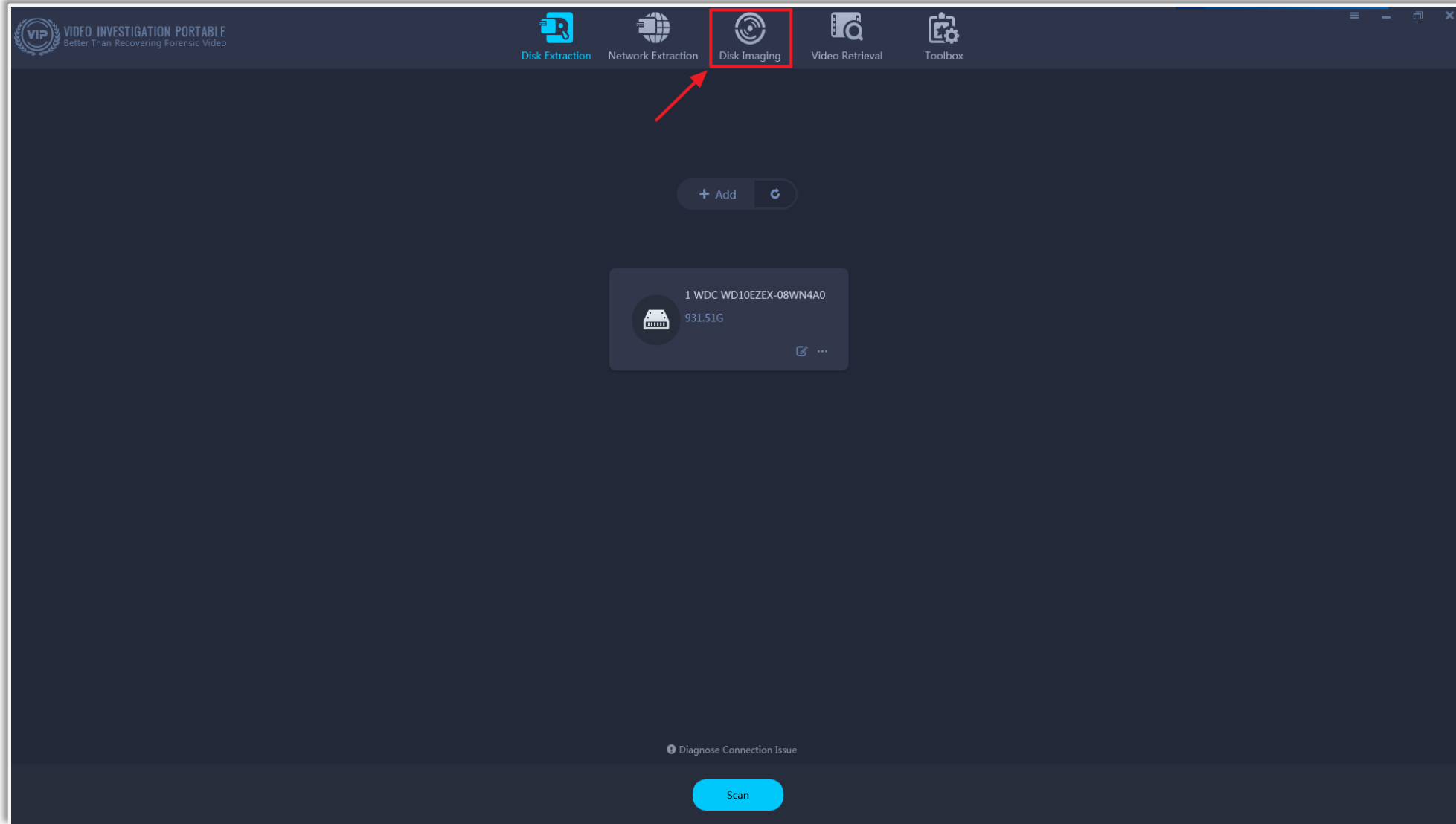
- For security reasons or in order to better save and manage the original data, backup the data of a storage device such as a hard drive, flash drive, or image file, etc.
- If in a forensic case, operations to the original storage device should be avoided. Therefore creating an image is necessary.

Preconditions

- A PC installed with VIP used for data extraction
- The original storage disk is removable from the DVR system
- The original storage disk must be connected to the PC with suitable adapters
- A target disk with equal or larger capacity than the original storage device.

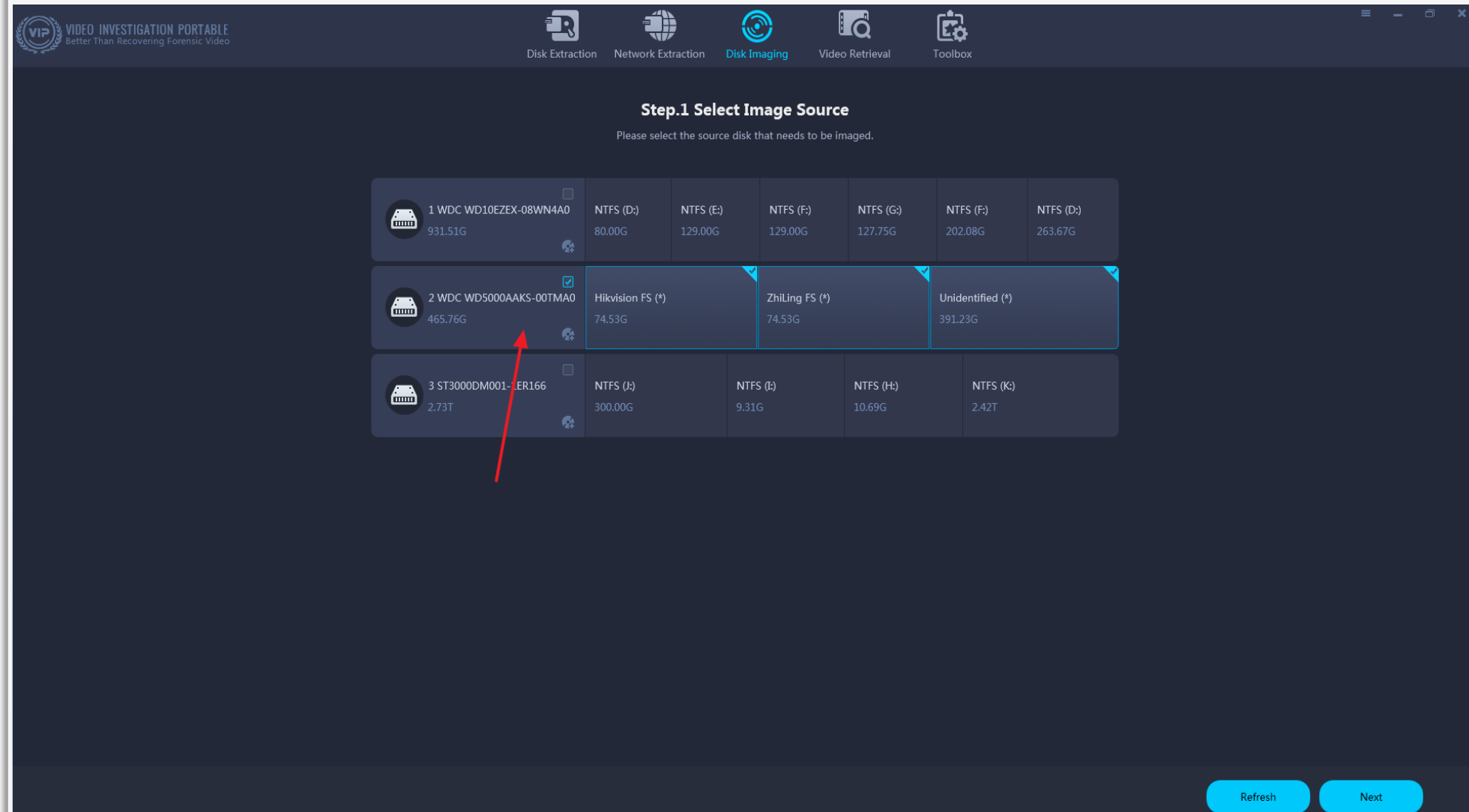
Operation Procedures

- Connect both the source and target disk to your PC
- Start VIP system
- Go to *Disk Imaging* in home page



Operation Procedures

- Select the source drive by single click on the drive icon
- Check connection if you can not find the drive in the list



VIDEO INVESTIGATION PORTABLE
Better Than Recovering Forensic Video

Disk Extraction Network Extraction Disk Imaging Video Retrieval Toolbox

Step.1 Select Image Source

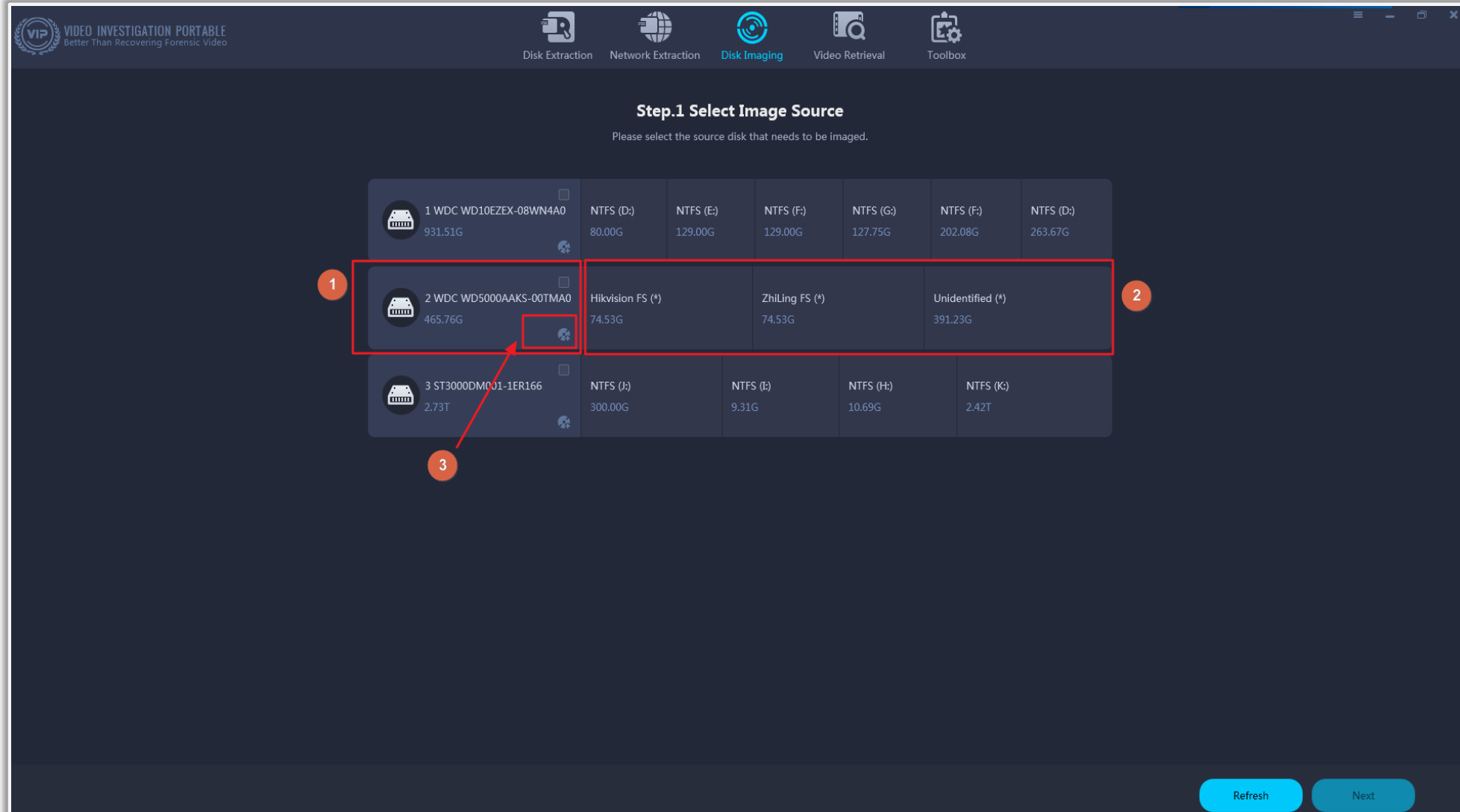
Please select the source disk that needs to be imaged.

1 WDC WD10EZEX-08WN4A0 931.51G	<input type="checkbox"/>	NTFS (D:) 80.00G	NTFS (E) 129.00G	NTFS (F) 129.00G	NTFS (G) 127.75G	NTFS (F) 202.08G	NTFS (D:) 263.67G
2 WDC WD5000AAKS-00TMA0 465.76G	<input checked="" type="checkbox"/>	Hiikvision FS (*) 74.53G	ZhiLing FS (*) 74.53G	Unidentified (*) 391.23G			
3 ST3000DM001-ER166 2.73T	<input type="checkbox"/>	NTFS (J) 300.00G	NTFS (I) 9.31G	NTFS (H) 10.69G	NTFS (K) 2.42T		

Refresh Next

Operation Procedures

- Choose 1 of 3 imaging methods provided
- Full: Image the whole disk, start from the first sector to the last
 - Partition: Select one of the partitions of this drive to image
 - Sector: Customize an area to image, set the initial and end sector yourself.



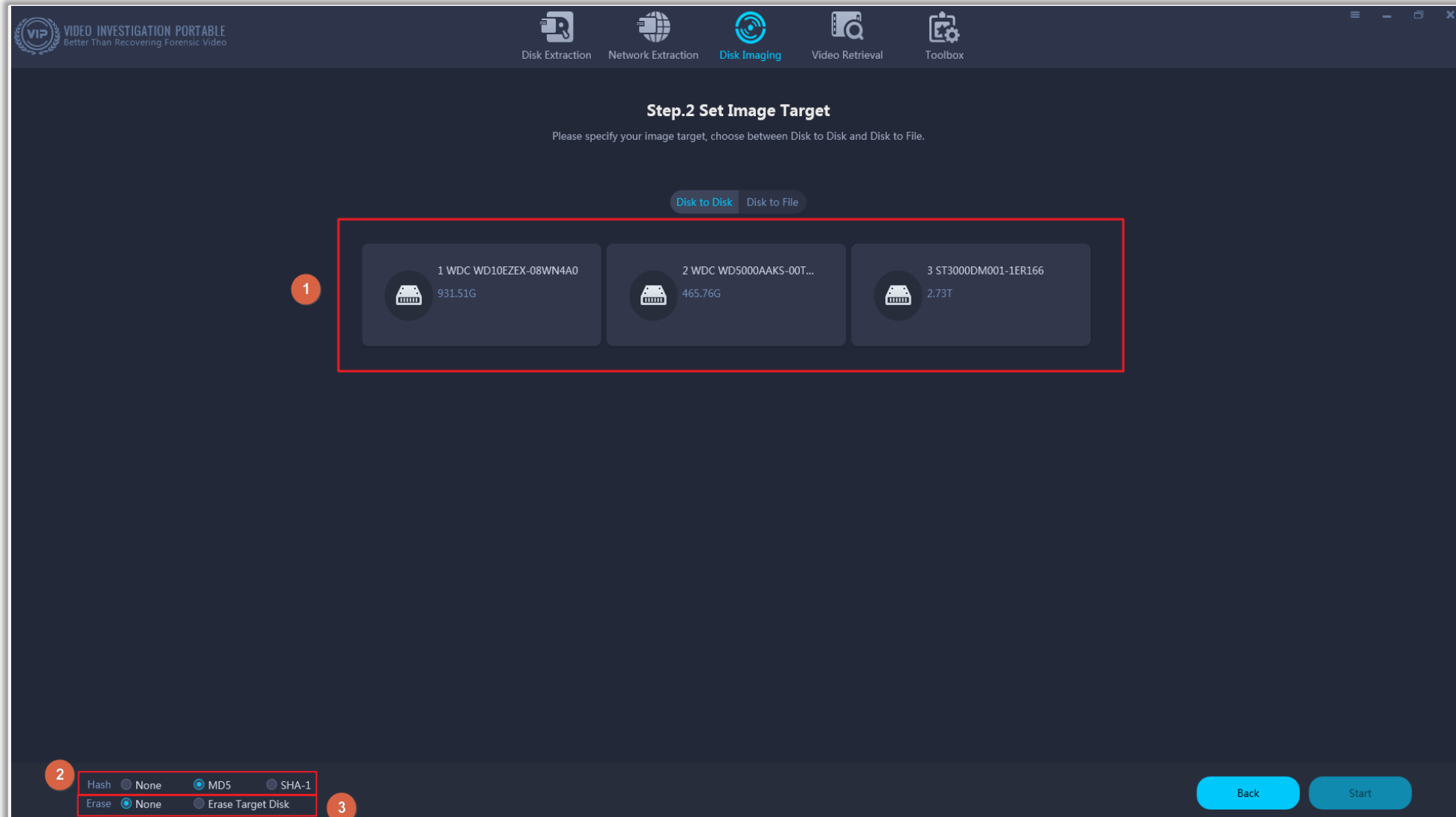
Step.1 Select Image Source
Please select the source disk that needs to be imaged.

1 WDC WD10EZEX-08WN4A0 931.51G	NTFS (D:) 80.00G	NTFS (E:) 129.00G	NTFS (F:) 129.00G	NTFS (G:) 127.75G	NTFS (F:) 202.08G	NTFS (D:) 263.67G
2 WDC WD5000AAKS-00TMA0 465.76G	Hikvision FS (*) 74.53G	ZhiLing FS (*) 74.53G	Unidentified (*) 391.23G			
3 ST3000DM001-1ER166 2.73T	NTFS (J:) 300.00G	NTFS (I:) 9.31G	NTFS (H:) 10.69G	NTFS (K:) 2.42T		

Buttons: Refresh, Next

Operation Procedures

1. Choose a target drive or select *Image to file* to save the image as a file to a specified path.
2. Choose a HASH algorithm which will be generated when imaging is complete
3. Check *Erase Target Disk*, if you wish to erase irrelevant data of the target drive.



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Disk Extraction Network Extraction **Disk Imaging** Video Retrieval Toolbox

Step.2 Set Image Target

Please specify your image target, choose between Disk to Disk and Disk to File.

Disk to Disk Disk to File

1

1 WDC WD10EZEX-08WN4A0 931.51G	2 WDC WD5000AAKS-00T... 465.76G	3 ST33000DM001-1ER166 2.73T
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2

Hash None MD5 SHA-1

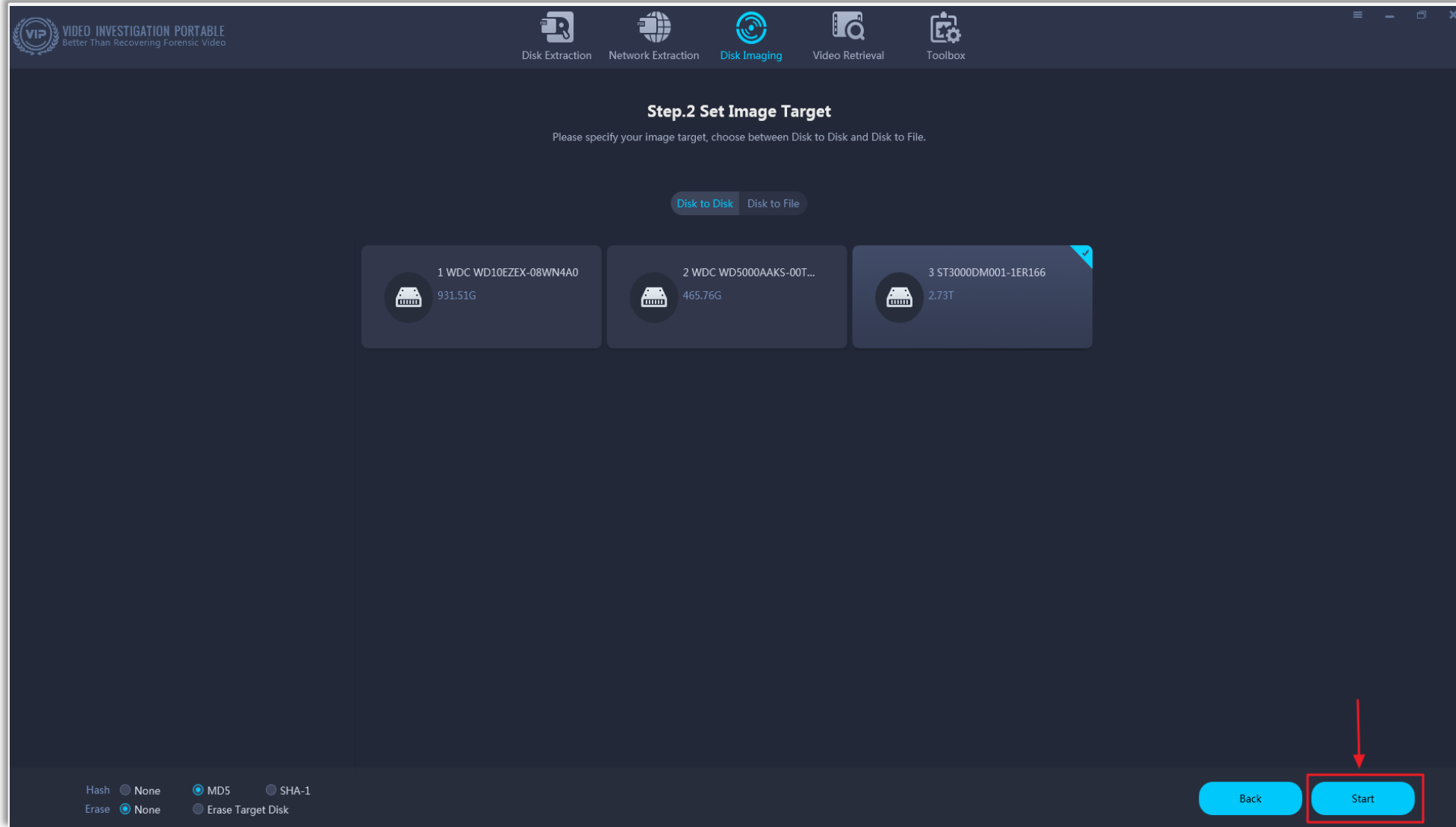
Erase None Erase Target Disk

3

Back Start

Operation Procedures

- Press **Start** when you finish all the settings
(Noted: The capacity of the target drive must be larger than the source drive, unless the imaging process can not be proceeded)



The screenshot displays the 'Step.2 Set Image Target' screen of the 'VIDEO INVESTIGATION PORTABLE' software. The interface is dark-themed with a top navigation bar containing icons for 'Disk Extraction', 'Network Extraction', 'Disk Imaging' (highlighted), 'Video Retrieval', and 'Toolbox'. Below the navigation bar, the title 'Step.2 Set Image Target' is centered, followed by the instruction: 'Please specify your image target, choose between Disk to Disk and Disk to File.' Two buttons, 'Disk to Disk' and 'Disk to File', are positioned below the instruction. The main area features three disk selection cards, each with a drive icon, a model number, and a capacity: 1 WDC WD10EZEX-08WN4A0 (931.51G), 2 WDC WD5000AAKS-00T... (465.76G), and 3 ST3000DM001-1ER166 (2.73T). At the bottom, there are settings for 'Hash' (None, MD5, SHA-1) and 'Erase' (None, Erase Target Disk). A red arrow points to the 'Start' button in the bottom right corner.

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Disk Extraction Network Extraction **Disk Imaging** Video Retrieval Toolbox

Step.2 Set Image Target

Please specify your image target, choose between Disk to Disk and Disk to File.

Disk to Disk Disk to File

1 WDC WD10EZEX-08WN4A0
931.51G

2 WDC WD5000AAKS-00T...
465.76G

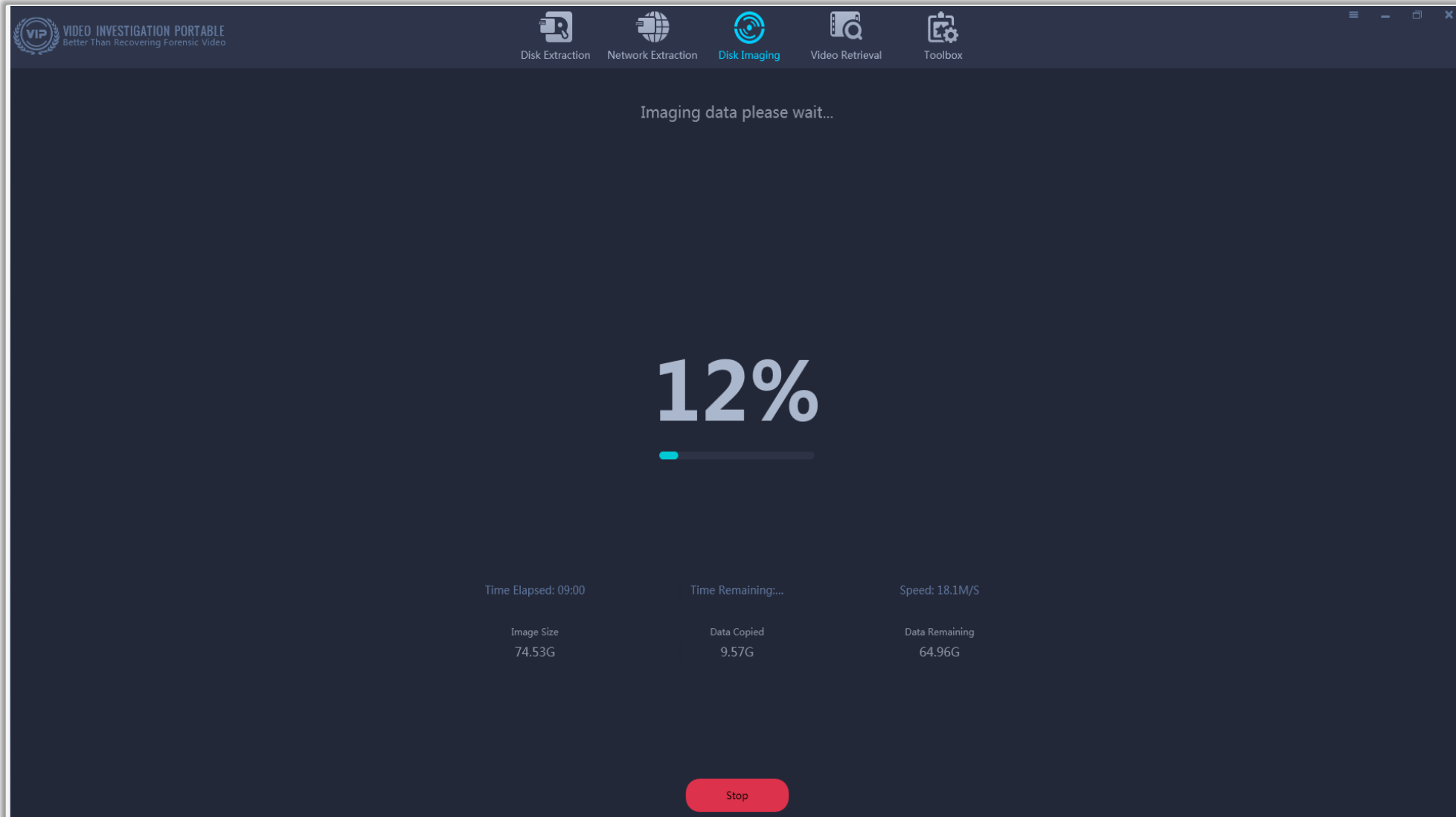
3 ST3000DM001-1ER166
2.73T

Hash None MD5 SHA-1
Erase None Erase Target Disk

Back Start

Operation Procedures

- Wait for the imaging process to complete



The screenshot displays the VIP-Disk Imaging software interface. The title bar reads "VIDEO INVESTIGATION PORTABLE Better Than Recovering Forensic Video". The main menu includes "Disk Extraction", "Network Extraction", "Disk Imaging" (highlighted), "Video Retrieval", and "Toolbox". The central area shows "Imaging data please wait..." with a large "12%" progress indicator and a corresponding progress bar. At the bottom, a status table provides the following information:

Time Elapsed: 09:00	Time Remaining:...	Speed: 18.1M/S
Image Size 74.53G	Data Copied 9.57G	Data Remaining 64.96G

A red "Stop" button is located at the bottom center of the interface.

THANKS

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**Any questions, please contact us at:
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