

Package Contents

Your Thermo Scientific VisionMate 1D Scanner package should contain the following items:

- One VisionMate AB1860 1D Scanner Magnetic Attachment
- One Installation CD

Note: If your package does not contain the above items, please contact your supplier or Thermo Scientific Representative.

Overview

What does the VisionMate AB1860 1D Attachment do?

The VisionMate AB1860 allows you to read a 1D (linear) barcode label affixed to your rack and send the barcode data to the VisionMate HS software. The 1D code can then be used as the rack identifier within the VisionMate HS software.

Can the AB1860 be used as a standalone barcode scanner?

No, the AB1860 is an accessory to the VisionMate HS Rack Reader and cannot be used separately.

Which code symbologies are supported?

The AB1860 will read the following 1D code types:

1. Code 128
2. Code 39
3. Codabar
4. Interleaved 2 of 5
5. EAN 13/UPC
6. EAN 8
7. UPC-E

Installation

In order to complete the 1D Reader Accessory Software Installation you will need the scanner and installation cd.

Pre-installation requirements:

1. You must have privileges on the computer to install software, hardware drivers and to write to the registry.
2. You must have the VisionMate HS Scanner software v3.2.0.0 or above installed.
3. The VisionMate HS scanner must be connected, but the software should NOT be running.
4. The AB1860 1D Accessory Scanner should be connected, before setup.

To Install:

1. (make sure the USB camera is plugged in at this point, and follow the windows hardware wizard) Under USB Camera Driver folder, run the "Setup.exe"
2. Start the installation program 'Thermo_AB1860_Setup_5.7.35.exe' manually by double-clicking on it.
3. Click next on the welcome screen.
4. Ensure that the 'AB1860' component is selected to install, then click next. The installation will begin.
6. The installation will complete. Click finish to complete the installation. Plug the scanner into an available USB port and allow the scanner drivers to install. Click ok to confirm any dialog messages regarding the hardware installation.

That's it! Installation is complete.

Using the AB1860 1D Accessory

After installing the software, please follow these simple steps to get started with the VisionMate AB1860 1D Accessory Scanner.

1. Start the VisionMate HS software.

Start the VisionMate ST software using the desktop shortcut or the Start Menu shortcut. Fix the 1D Accessory to the side of the VisionMate using its magnetic base. Aim the camera lens at the rack barcode position.

2. Enable the 1D Accessory.

Open the Config Menu, then click "Enable 1D Scanner".

Two tabs will be opened on the right hand side of the screen.

The "1D Scanner" tab displays the camera image.

The "1D Config" tab allows configuration of the scanner.

3. Choose to enter the Rack ID via the 1D Scanner

Open the "Rack ID" menu, then select "Set via 1D Reader".

The VisionMate HS software is now set up to use the 1D Accessory to read 1D rack barcodes.

Configuration

The 1D Accessory camera may need to be focused onto the barcode to achieve the best decode result. To focus the camera, turn the focusing ring around the camera housing while the camera is running. If required, you can constantly run the camera in an outside application such as amcap.exe to achieve best focus. (This can be found on the WEB google – amcap free)

1. Barcode Symbologies.

The following 1D barcode symbologies are supported. Can choose to decode any combination of these symbologies.

1. Code 128
2. Code 39
3. Codabar
4. Interleaved 2 of 5
5. EAN 13/UPC
6. EAN 8
7. UPC-E

2. Barcode Length

It is possible to only accept barcodes of a fixed length. To do this, enter the expected number of characters in the “Expected Length” property and set the option to True.

Recommended Practice:

It is recommended that you only enable the specific symbology / symbologies which you wish to read, and furthermore that you set the expected length correctly.

This is because it is in practice possible for part of a barcode to be misinterpreted as a complete barcode of a different symbology. Setting the correct barcode properties greatly reduces this possibility.

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