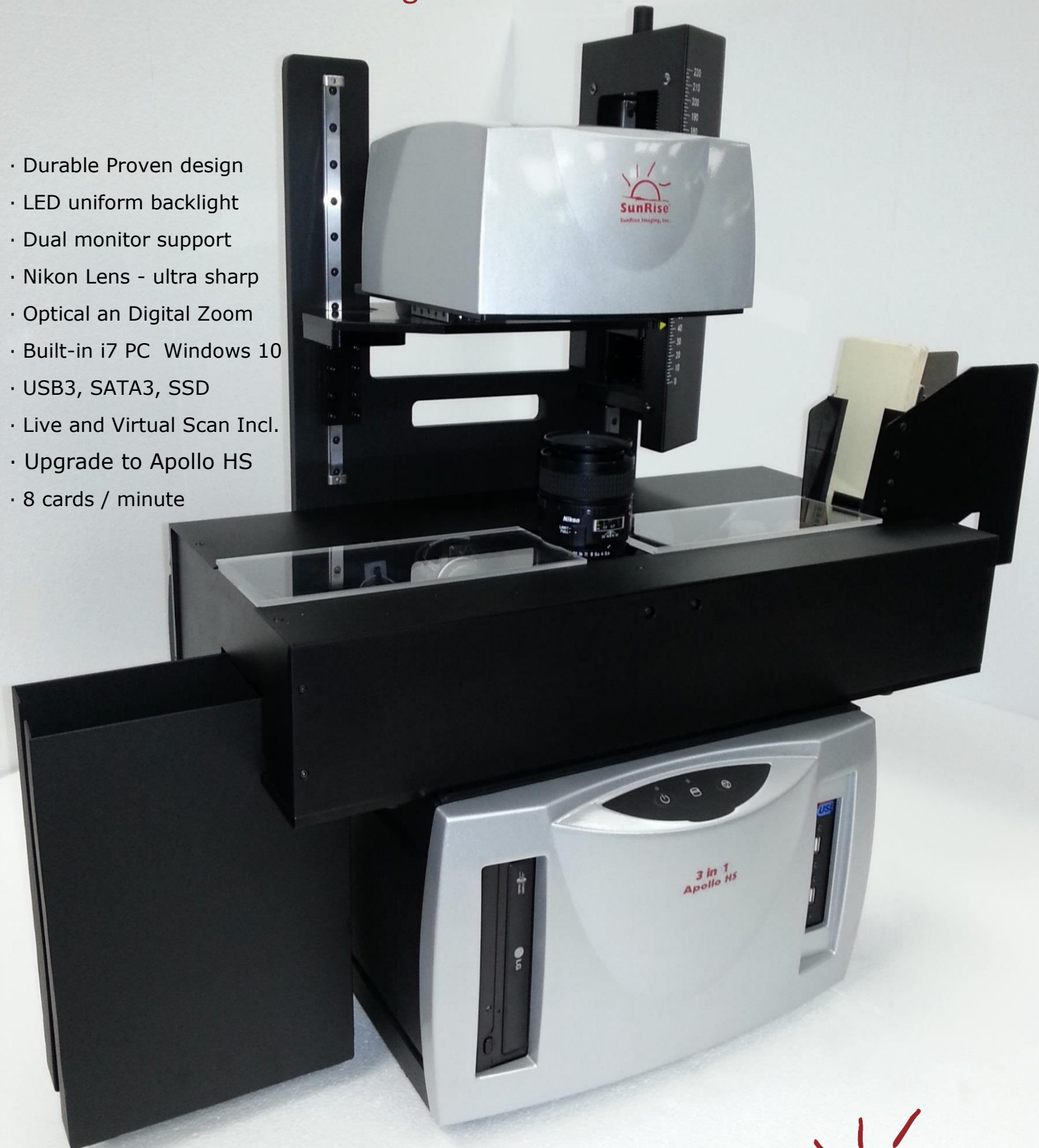


# SunRise Aperture Card Scanners Apollo HS

“Scanning the World’s Micro Film”

- Durable Proven design
- LED uniform backlight
- Dual monitor support
- Nikon Lens - ultra sharp
- Optical and Digital Zoom
- Built-in i7 PC Windows 10
- USB3, SATA3, SSD
- Live and Virtual Scan Incl.
- Upgrade to Apollo HS
- 8 cards / minute



# Hardware Specifications

An Aperture card scanner system consists of the Apollo Base Unit and Apcard Module

## COMPUTING SYSTEM

**Processor** 6<sup>th</sup> gen Intel i7  
**Memory** 4 GB  
**Hard Drive** Internal Solid State 500GB  
**DVD** Optical drive  
**Removable** 2.5" SSD Drives 2 bays 1000GB  
**External** drive expansion via USB 3.0

## SPEED

**Feed rate** 8 cards/ min  
**Scan rate** 5,000/10,000 vertical lines/sec

## I/O

**USB 3.0/2.0:** Front -2, Rear -4 plus USB-C  
**Dual Monitor** output: VGA / DVI / HDMI  
**Mouse & Keyboard**  
**LAN** Gigabit Ethernet

## IMAGING

**Linear CCD** 4k & 8k pixel array  
**Camera** SunRise Apollo Hi-Speed  
**Lens** Nikon 60mm f/2.8  
**Light Source** SunRise LED

## SOFTWARE

Included with scanner are Windows 10 Applications ScanFlo **Professional**, **Premier**, and **Virtual Scan**

<b>Live Scan</b>	Scan time image processing, create image files during scan for immediate results.
<b>Archive Scan</b>	Digital archive Strip Scan is fast and simple.
<b>Virtual Scan</b>	Post scan image processing allows QA.
<b>Scan presets</b>	Scan job parameters are automatically saved making it easy to setup.
<b>Dual stream</b>	Simultaneous bi-tonal and 8 bit grayscale scanning.
<b>File formats</b>	PDF, TIFF, JPEG, GIF, compressed and uncompressed, bi-tonal and grayscale.
<b>Pixel Depth</b>	1,4,8,12 bit.
<b>Image processing</b>	Adaptive threshold Bi-tonal, Edge Sharpen, Crop, De-skew, 90°,180°,270° Rotation, Blip detection and counting, Mirror Flip, Invert, Scale, Enhance contrast to fix dark or too bright, Automatic Crop & De-skew, Negative/Positive.
<b>Help</b>	User Manual, Context Help.
<b>Reduction Ratio</b>	Enlarge film image 7x – 72x to compensate for size of image on film.
<b>Document size</b>	A4-A0 (A – E).
<b>Compression</b>	Bi-tonal: TIFF uncompressed, TIFF CCITT G4, Multi page TIFF, PDF, PDF LZW. Grayscale: TIFF uncompressed, TIFF LZW, JPEG (8-bit), GIF (8-Bit), PDF, PDF LZW.
<b>Special features</b>	Jammed card detection, 500 card feeder bin, removable exit bin.

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