

# HEIDSTAR



HDS-MSCAN-200A

Heidstar Corporation

As a leading digital pathology scanner supplier, Heidstar is committed to providing our customers with top-notch products in a cost-effective and timely manner. HDS-MSCAN-200A is our flagship high throughput whole slide scanner with more than 180 units sold over the past year.

What is most important for high-throughput equipment is reliability during unattended operation. HDS-MSCAN-200A is recognized as the most reliable WSI product in the industry. We welcome our customers to compare it with any brands under the same settings.

### **Product Highlights**

- AI algorithm that can automatically detect cover slip surface and rescan the slide at correct focus plane.
- The unique slide holder design and loading/unloading mechanism ensure the lowest risk of sample damage under the condition of unattended operation
- 3-hole motorized objective lens exchanger, supporting Olympus 10x, 20x, and 40x objective lenses
- Continuous loading and unloading mode enable the scanner to run 24x7 without having to break
- Supports emergency slide priority loading and scanning;
- Supports multiple image formats, including Tiled Tiff, SVS, JPG, WebP, and customized formats
- Easily integrated with third-party data management and AI imaging process platforms.

Specifications:

Item	Parameter
<b>Hardware</b>	<ol style="list-style-type: none"> <li>1. imaging equipment: 5M CMOS, 2448x2048</li> <li>2. scanning mode: continuous, tiled, sampling</li> <li>3. focusing mode: pre-focusing, point-by-point focusing</li> <li>4. scan speed: &lt;45s per 15mmx15mm area at 0.27um/pixel</li> <li>5. capacity: &gt;200 slides per load, continuous loading</li> <li>6. objective lens: up to three lenses—10X, 20X, and 40X</li> <li>7. optional 3-hole motorized lens exchanger</li> <li>8. dell workstation, Intel I9 processor, 4 TB hard disk drive, 32G memory, 27-inch display, dual network card</li> </ol>
<b>Integrated Scanning and Reviewing Software</b>	<p><b>Scanning Functions</b></p> <ol style="list-style-type: none"> <li>1. automatic slide loading and unloading, and beeping after all slides finished scanning.</li> <li>2. automatic label reading</li> <li>3. z-stack scanning and multi-layer image fusion.</li> <li>4. focus density setting, manual and automatic</li> <li>5. scanned slides are stored as either one large stitched image or MxN individual images</li> <li>6. image compression ratio from 1% to 100%</li> <li>7. output images format in JPG, Tiff, WebP, SVS, or Tiled Tiff</li> <li>8. scanning results can be named by time/barcode/QR code/OCR, and can be renamed manually</li> <li>9. automatically read common types of barcodes/QR codes</li> <li>10. initial focus plane and searching range can be adjusted based on slide thickness</li> <li>11. automatic cover glass detection</li> <li>12. stop scan button</li> <li>13. real-time status monitoring, equipment error code display</li> <li>14. automatically rescan when an error detected</li> </ol> <p><b>Reviewing Functions</b></p> <ol style="list-style-type: none"> <li>1. browse images while scanning</li> <li>2. quick overview of the scan results list</li> <li>3. image browsing function</li> <li>4. image navigation function</li> <li>5. image annotation function</li> <li>6. compare multiple images on one screen</li> </ol>

	<p>7. cell counting and reporting functions</p> <p><b>User Access Control</b></p> <ol style="list-style-type: none"> <li>1. three levels of account with different privileges</li> <li>2. administrator has full access to all functions</li> <li>3. operator has access to scan-related functions</li> <li>4. viewer can only browse and view scanned images</li> </ol>
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### Packing List

	<b>Item</b>	<b>Maker</b>	<b>Unit</b>	<b>Quantity</b>	<b>Remark</b>
1	200-slide scanner	HDS	set	1	/
2	slide holder	HDS	piece	50	holds 4 slide
3	sample slide	HDS	piece	4	
4	workstation	Dell	set	1	/
5	27" monitor	Dell	set	1	/
6	mouse & keyboard	Dell	set	1	/
7	HDMI cable	Dell	piece	1	/
8	USB cable	HDS	piece	1	/
9	network cable	HDS	piece	1	/
10	power cord	HDS	piece	2	/
11	certificate	HDS	copy	1	/
12	user manual	HDS	copy	1	USB drive

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