

Supplementary Table S1. Commercially available whole slide scanners according to the manufacturers

| Manufacturer | Models | File format | Webpage |
|--------------|--|---|---|
| 3DHistech | Pannoramic 1000 Pannoramic 250 Flash III Pannoramic Confocal Pannoramic SCAN II Pannoramic MIDI Pannoramic DESK II DW | Proprietary, MRXS | https://www.3dhistech.com/systems |
| Bioview | Accord Plus Accord Duet-3 Allegro-Plus | Proprietary | https://bioview.com/prodcuts/ |
| Hamamatsu | NanoZoomer S360 NanoZoomer S210 NanoZoomer S60 NanoZoomer-SQ | Proprietary, NDPI JPEG compressed image + slide information | https://www.hamamatsu.com/jp/en/product/life-science-and-medical-systems/digital-slide-scanner/index.html |
| Huron | TissueScope iQ TissueScoop LE TissueScope LE120 | Non-proprietary 24-bit RGB Pyramidal BigTIFF Uncompressed, or JPEG 2000 Compression Export to JPEG, Flat TIFF and LZW Compressed TIFF | http://www.hurondigitalpathology.com/solutions/ |
| Inspirata | Omnyx VL120 Omnyx VL4 | Proprietary, MIG | Service finished as of May 2019 |
| Leica | Aperio AT2 Aperio CS2 Aperio VERSA Aperio LV1 | Proprietary, SVS, TIFF, SCN | https://www.leicabiosystems.com/digital-pathology/scan/ |
| Motic | MoticEasyScan MoticEasyScan Pro | Proprietary | https://www.motic.com/AM_Digital_Scanner/product_757.html |

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| Olympus | VS120-S5-J, VS120-S5-W VS120-L100-J, VS120-L100-W | Proprietary, vsi, JPEG, TIFF | https://www.olympus-lifescience.com/en/microscopes/virtual/vs120/#!cms[tab]=%2Fmicroscopes%2Fvirtual%2Fvs120%2Fspecifications |
| Optra Systems | OS-15 OS-120 OS-FS S-FL OS-CFL | Proprietary, JPEG2000, .TIFF, BigTIFF | https://www.optrascan.com/platform/products |
| Perkin Elmer | Vectra Mantra | Proprietary, Cri, TIFF | https://www.perkinelmer.com/category/quantitative-pathology-imaging-instruments |
| Philips | Ultra Fast Scanner | iSyntax Philips proprietary file format with either RAW or iSyntax compression Export to TIFF or BigTIFF | https://www.usa.philips.com/healthcare/product/HCNOCTN442/ultra-fast-scanner-digital-pathology-slide-scanner/specifications |
| Roche | VENTANA DP 200 VENTANA iScan HT | Proprietary, BIF, TIFF, DICOM | https://diagnostics.roche.com/global/en/products/instruments/ventana-dp-2000.html#productInfo |
| Sakura | VisionTek M6 VisionTek | Proprietary | https://www.sakuraus.com/Products/Digital-microscopy/VisionTek-Digital-Microscope.html |
| Zeiss | Axio Scan.Z1 | Proprietary, CZI, TIFF, JPEG, PNG, GIF | https://www.zeiss.com/microscopy/int/products/imaging-systems/axio-scan-z1.html |
