

D2P™ HARDWARE SPECIFICATIONS

This document describes the recommended minimal hardware spec to run the D2P software and tested platforms.

- Intel Core i7
- 64bit OS only
- 16GB RAM DDR3 800 MHZ (32GB is recommended)
- SSD 256GB
- **To run D2P** (3D model segmentation)
 - Graphic card-
 - NVIDIA GTX670 GPU, equivalent or higher (recommended NVIDIA GTX 1060 or higher)
 - Support DirectX 11 or higher
 - Minimum 2GB memory (for scan size bigger than 1000 slices ≥4GB is required)
 - OS- Win7 or Win10 64bit
- **To run Mesh VR module**
 - Graphic card-
 - NVIDIA GTX 1060 or equivalent VR READY graphic card
 - Minimum 3GB memory (recommended ≥4GB)
 - OS- **Win 10 only**
- **To run Volume VR**
 - Graphic card-
 - NVIDIA GTX 1080 VR ready or equivalent graphic card
 - Minimum 4GB memory (recommended ≥6GB)
 - OS- **Win10 only**
- Support screen resolution of 1920:1080
- Disk space >500 GB (Segmentation)

Tested HW configuration for D2P and VR
Tower workstation - Off the shelf

Dell XPS 8930 Mini Tower
Mother board
Gigabit Ethernet
Processor
8 th Generation Intel Core i7-8700 6-Core Processor (12M Cache, up to 4.6 GHz)
Memory
32GB Dual Channel DDR4 at 2666MHz
Disk Space
256GB M.2 Solid State Drive + 2TB 7200 rpm Hard Drive
Drivers
Tray load DVD Drive (Reads and Writes to DVD/CD)
Network
10/100/1000, 802.11ac + Bluetooth 4.0, Wireless
Graphic card
NVIDIA GeForce GTX 1080 with 8GB GDDR5 Graphics Memory
Outputs
10
Media Card Reader (MCR 19:1)
Display Port
HDMI Port
Operating system
Windows 10 PRO 64bit English

Laptop

Dell Alienware 17"
Operating System
Windows 10 Home/Pro 64-bit English
Processor
7 th Generation Intel® Core™ i7-7820HK (Quad-Core, 8MB Cache, Overclocking up to 4.4GHz)
Memory
32GB DDR4 at 2400MHz (2x16GB)
Hard Drive
256GB PCIe SSD (Boot) + 1TB 7200RPM SATA 6Gb/s (Storage)
Drivers
BDRE Drive (Reads and Writes to Blu-Ray disks)
Wireless
Killer 1550 802.11ac 2x2 WiFi and Bluetooth 5.0
Graphic card
NVIDIA® GeForce® GTX 1080 with 8GB GDDR5 Overclocked
Display
17.3 inch QHD (2560 x 1440) 60Hz TN AG 400-nits w/ NVIDIA G-SYNC, Enabled with Tobii Eye-tracking

HP ZBook 17 G4
Operating System
Windows 10 Home/Pro 64-bit English
Processor
Intel® Core™ i7-7820HQ (2.90 GHz, 8 MB Cache, 4 core)
Memory
32GB DDR4 at 2400MHz (2x16GB)
Hard Drive
256 GB SATA-3 Self Encrypted (SED) OPAL2 TLD 2nd SSD 1 TB 7200 rpm SATA-3 2nd Hard Drive 500 GB 7200 rpm FIPS 2nd Hard Drive
Drivers
BDRE Drive (Reads and Writes to Blu-Ray disks)
Graphic card
NVIDIA® GeForce® GTX 1080 with 8GB GDDR5
Display
17.3" Diagonal led (1920x1080)

Virtual Reality Device	Description
VIVE HTC	HTC VIVE - Virtual Reality System https://www.amazon.com/HTC-VIVE-Virtual-Reality-System/dp/B00VF5NT4I/ref=sr_1_1?ie=UTF8&qid=1489503140&sr=8-1&keywords=vive&th=1
VIVE base station + Articulation arm system (Optional)	Base station- https://www.amazon.com/gp/product/B01M07M9D4/ref=oh_aui_detailpage_o01_s02?ie=UTF8&psc=1 Articulation arm system- https://www.amazon.com/gp/product/B01J52QU48/ref=oh_aui_detailpage_o01_s02?ie=UTF8&psc=1
Oculus Rift	https://www.oculus.com/