

SEQUOIA Clarity 1.5T 16 Channel MRI Scanner Specifications

SI No.	Description	Specification												
1	Magnet	4K Zero Boil off Actively Shielded												
2	Bore Size	600mm												
3	Liquid Helium Capacity	1000L												
4	Refill Interval	> 4 years												
5	Max FOV	≥450mm												
6	Magnet Stability	≤0.1ppm/h												
7	Field Homogeneity FOV 45 40 30 20 10	≤0.37ppm ≤0.18ppm ≤0.05ppm ≤0.015ppm ≤0.002ppm												
8	Gradient	≥35mT/m												
9	Slew rate	≥130mT/m/ms												
10	Min Slice Thickness 2D 3D	1mm 0.5mm												
11	Slice Thickness Increment Size	0.1mm												
12	Slab Thickness	600mm												
13	Max No. of Slices	128												
14	Max Acquisition Matrix	1024*1024												
15	Parallel acquisition	yes												
16	RF Amplifier Power	20KW												
17	No. of RF Receive Channels	16												
18	Standard Coil Configuration	Phased array NV coil Phased array Spine coil Phased array body coil Phased array flexible coil												
19	Standard Sequences	SE 2D/3D SE 2D/3D FSE TR measurement SE Selective Angle SE Single-echo, Dual-echo, Multi-echo 2D/3D SSFSE 2D/3D MSFSE IR FSE Fat-suppression FSE frequency Fat-suppression FSE Water-suppression FRFSE GRE 2D/3D GRE 2D/3D FGRE Single-echo, Dual-echo, Multi-echo TRUE-FISP 2D/3D Spoiled GRE High-contrast T2WI Variable-angle Fast GRE GRE Fat-suppression 3D VIBE EPI Single-shotEPI SE-EPI GRE-EPI High-contrast EPI Inversion EPI Frequency saturation Fat suppression EPI IR Fat Suppression STIR Chemical saturation Water Suppression T1 water saturation T2 water saturation												
20	Main Console	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">OS</td> <td>Win 10</td> </tr> <tr> <td>RAM</td> <td>≥8GB</td> </tr> <tr> <td>CPU</td> <td>≥3.1GHz</td> </tr> <tr> <td colspan="2" style="text-align: center;">capacity</td> </tr> <tr> <td>GPU</td> <td>≥2G</td> </tr> <tr> <td>Monitor</td> <td>21" + 19" Dual LED</td> </tr> </table>	OS	Win 10	RAM	≥8GB	CPU	≥3.1GHz	capacity		GPU	≥2G	Monitor	21" + 19" Dual LED
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Preliminary Specification subject to Change.