

Company	Air Techniques	Carestream Dental	Cefla Medical Solutions	Denterprise International	Dentsply Sirona	Gendex Dental Systems	HDX WILL NORTH AMERICA
Product name	ProVecta 3D Prime	CS 9600	Hyperion X5	QuickScan Touch 3D CBCT	ORTHOPHOS SL	GXDP-700 Series	Dentri Series
No. of installations	200 under Dürr Dental	N/A	N/A	More than 100	N/A	More than 500	N/A
Focal spot size	0.5 mm	0.3 to 0.7 mm	0.6 mm	0.5 mm	0.5 mm	0.5 mm	0.5 mm
Voxel size	0.2, 0.12, 0.08 mm	0.075 to 0.4 mm	80 µm	185 µm	0.16 mm, 0.08 mm in HD mode	0.085, 0.1, 0.2 mm	0.1 mm
What is the unit designed for?	Large-volume imaging	Small-volume imaging, large-volume imaging	Large-volume imaging	Small-volume imaging	Small-volume imaging, large-volume imaging	Small-volume imaging, medium-volume imaging	Small-volume imaging, large-volume imaging
Field of view size	13 x 8.5 cm	4 x 4 cm to 16 x 17 cm	10 x 10 cm	93 x 82 mm, 93 x 40 mm, 93 x 52 mm	5 x 5.5 cm, 8 x 5.5 cm, 8 x 8 cm, 11 x 10 cm	4 x 6 cm, 8 x 6 cm	16 x 8 cm, 16 x 14.5 cm
Radiation dosage	9 mA at 94 KV	2 to 15 mA at 60 to 90 KV or 60 to 120 KV	N/A	65 to 241 DAP µGy x m ²	Variable	16 mA at 57 to 90 KV	Variable
Total exposure time	16.4 seconds	N/A	1.6 seconds	7.2 to 8 seconds	2 to 5 seconds; 14 seconds in HD	2.34 to 12.6 seconds	Depends on model
Reconstruction time	120 seconds	N/A	15 seconds	N/A	Less than 4 seconds	20 to 60 seconds	10 seconds or 30 to 40 seconds
Degree of rotation	360°	200° or 360°	N/A	200°	204°	Approximately 330°	180°/360°
Does CBCT require upgrading graphic cards/memory chips?	No	No	Yes	No	Depends on other details	No	No
Native DICOM3-compliant?	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Is viewing software bundled with CBCT purchase?	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Warranty period (months/years)	Hardware and software 2 years; sensors 2 to 5 years	Hardware, software, and sensors 5 years	N/A	Hardware, software, and sensors 2 years	Hardware, software, and sensors 5 years	Hardware, software, and sensors 2 years	Hardware, software, and sensors 3 to 5 years
Support handled through dealer or manufacturer?	Dealer	N/A	N/A	Dealer	Dealer	Dealer	Manufacturer

i-CAT	J. Morita USA	Kavo Kerr	Owandy Radiology	PreXion	Ray America	Shatkin F.I.R.S.T.	Vatech America
i-CAT FLX	Veraview X800	ORTHOPANTOMO- GRAPH OP 3D	I-Max 3D	Excelsior line	RAYSCAN Alpha Plus	3D Papaya	Green CT 2
More than 3,000	N/A	More than 500	2,200	150	5,000	More than 100	4,000
0.5 mm	0.5 mm	0.5 mm	0.5 mm	0.3 mm	0.5 mm	1.5 mm	0.5 mm
0.4 to 0.125 mm	0.08 mm	80 to 400 µm	87 µm	0.1 mm	0.07 mm	0.075 to 0.4 mm	0.12 to 0.3 mm
Medium-volume imaging, large- volume imaging	Small- volume imaging, large- volume imaging	Small-volume imaging, large-volume imaging	Small-volume imaging, large-volume imaging	Small-volume imaging, large-volume imaging	Small-volume imaging, large-volume imaging	Small-volume imaging, large-volume imaging	Small-volume imaging, large-volume imaging
Various options are available, depending on model	11 options from 4 to 15 cm	Up to 9 x 14 cm	12 x 10 cm, 9 x 9 cm, 9 x 5 cm, 5 x 5 cm	5 x 5 cm, 10 x 5 cm, 10 x 8 cm, 15 x 8 cm, 15 x 13 cm	16 x 10 cm	4 x 5 cm, 7 x 7 cm, 8 x 8 cm, 14 x 8 cm, 14 x 14 cm	5 x 5 cm, 8 x 5 cm, 8 x 9 cm, 13 x 10 cm, 15 x 15 cm
3 to 7 mA at 120 KV	5 mA at 100 KV	2 to 12.5 mA, 95 KV	7 mA at 82 KV	78.6 mA	6 mA at 90 KV	4 to 12 mA at 60 to 90 KV	4 to 16 mA at 50 to 100 KV
4.8, 9, or 26.9 seconds	9.4 seconds	1.5 to 20 seconds	7 seconds	7.7 seconds	13.9 seconds	9 to 17 seconds or 7.7/14.5 seconds	4.9 seconds
Fewer than 30 seconds	30 to 40 seconds	Fewer than 120 seconds	30 seconds	9.6 seconds	6 seconds	2 seconds	60 seconds
360°	180°/360°	N/A	210°	360°	360°	210°	180°
No	No	No	Yes	No	No	No	No
Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Yes	Yes	Yes	No	Yes	Yes	Yes	Yes
Hardware, software, and sensors 3 years	Hardware, software, and sensors 3 years	Hardware, sensors, and software 5 years	Hardware 2 years, sensors 5 years, software unlimited	Hardware, software, and sensors 7 years	Hardware and software 5 years, sensors 1 year	Hardware, software, and sensors 5 years	Hardware 5 years, software 10 years
Manufacturer	Dealer, manufacturer	Dealer, manufacturer	Dealer, manufacturer	Dealer, manufacturer	Dealer	Dealer, manufacturer	Dealer, manufacturer