





Radiography Tech Guide

Air Techniques Inc
airtechniques.com
(800) 247-8324

Carestream Dental LLC
kodakdental.com
(800) 944-6365

DEXIS
dexis.com
(888) 883-3947

Gendex Dental Systems
gendex.com
(800) 323-8029

Product Name				
2D or 3D	2D	3D	2D	2D
Cost	\$21,995	Kodak 9000C Pan/Ceph System, \$70,000; Above with Focused-Field 3D, \$114,995 without stitching, \$119,995 with stitching; Kodak 9500 MFOV Cone Beam 3D System, \$129,995; Kodak 9500 LFOV Cone Beam 3D System, \$159,995	\$13,995 for sensor and x-ray image management software	Contact company
Footprint	24" x 14" x 14"	Operational space: Kodak 9000C/9000C 3D Systems, 5.23' D x 7.0' W; Kodak 9500 System, 5.66' D x 5.36' W	N/A	4.2' x 3.1'
Patient position	Seated	Seated, Standing, Wheelchair accessible	N/A	Standing
Field of view	N/A	Kodak 9000C 3D System, 50 x 37 mm; Kodak 9500 system Large Field, 184 x 206 mm; Kodak 9500 system Medium Field, 90 x 150 mm	2D intraoral	Wheelchair accessible
Voxel size	N/A	Kodak 9000C 3D System, .076 mm voxel; Kodak 9500 System, .2 mm voxel	2D intraoral equivalent to size 2 intraoral film	2D pan/ceph: 15 possible projection sizes
Quality of image (in pixels/voxels)	18 lp/mm	Kodak 9000C 3S System, .076 x .076 mm; Kodak 9500 System, .3 x .3 mm for LFOV and .2 x .2 mm for MFOV	2.2 megapixels	1536 x 2725 pixels (Standard Pan), 2304 x 2529 pixels (Ceph)
Scan technology	Phosphor Storage Plate	Kodak 9000C/9000C 3D, One-shot ceph; Kodak 9000C 3D and Kodak 9500 Systems, CBCT	N/A	N/A
Scan time (in seconds)	17	Kodak 9000C 3D 13.9, Kodak 9500 10.8 exposure time	Exposure time dependent on intraoral x-ray unit	12 for standard pan, 0.16 to 2.5 for ceph
Radiation dose per image (in μSv)	N/A	Kodak 9000C 3D System, 4.7 to 18.8; Kodak 9500 System Medium Field, 104; Kodak 9500 System Large Field, 224	N/A	Approximately 15 for pan, less for ceph
Reconstruction time	N/A	10 sec to 50 sec (depends on field of view and resolution)	N/A	N/A
Integrates with what software?	Visix recommended, but bridges with most practice-management softwares	Kodak Dental Imaging 3D Module, outputs DICOM formats and integrates with all DICOM environments	Dentrix, EadyDental, PracticeWorks, SoftDent, Eaglesoft, and more	All major programs
Does it do cephal superimposition?	Yes	Yes, with additional software	N/A	Yes, with additional software
Types of service available	<ul style="list-style-type: none"> Basic service can be done by office personnel Phone support On-site dealer support 	<ul style="list-style-type: none"> Basic service can be done by office personnel Phone support Web-based support On-site dealer support Troubleshooting codes 	<ul style="list-style-type: none"> Basic service can be done by office personnel Phone support Web-based support 	<ul style="list-style-type: none"> Basic service can be done by office personnel Phone support Web-based support On-site dealer support Troubleshooting codes

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ImageWorks
ImageWorksCorporation.com
(914) 592-6100

Imaging Sciences International
i-cal.com
(800) 205-3570

Instrumentarium Dental Inc
instrumentariumdental.com
(800) 558-6120

Instrumentarium Dental Inc
soredex.com/usa
(800) 558-6120

J. Morita USA
jmoritausa.com
(877) 566-7482

Product Name	 NewTom Cone Beam 3D	 i-CAT	 Orthopantomograph OP30	 Scanora 3D	 Veraviewepocs 2D/3D
2D or 3D	3D	3D	2D	3D	3D
Cost	Contact company	Contact company	Suggested Retail \$36,500	Suggested Retail \$169,900	\$75,800 MSRP (2D Pan/Ceph model); \$218,000 MSRP (3D 40 Pan/Ceph model)
Footprint	VGi: H 90", W 45", D 59"; VGi Flex: H 78", W 45", D 59"	4.1' x 3.8'	2.73' W x 3.22' D	5.25' W x 4.59' D	W 6.6' x D 4.4' x H 7.7' (with ceph)
Patient position	Seated, Standing	Seated Wheelchair accessible	Standing	Seated	Standing Wheelchair accessible
Field of view	VGi/Flex: Standard is 15 cm (6") diameter, 15 cm (6") height; Zoom: 12 cm (5") diameter, 7.5 cm (3") height; HiRes Zoom: 12 cm (5") diameter, 7.5 cm (3")	16 cm diameter with heights from 2 cm through 14 cm, plus 17 cm x 23 cm EFOV	5.81" sensor height	Small: 2.36" x 2.36" Medium: 2.95" x 3.94" Large: 2.95" x 5.71" Optional XL FOV: 5.19" x 5.71"	Cephalometric: LA - 8.9" x 10"; PA - 8.9" x 8.0"; 3D: Ø 1.6" x H 1.6", Ø 1.6" x H 3.1", Ø 3.1" x H 3.1"
Voxel size	Varies depending on mode	0.4 mm, 0.3 mm, 0.25 mm, 0.2 mm, 0.125 mm	96 microns	133 microns, 200 microns, 250 microns, 300 microns, 350 microns	.125 mm
Quality of image (in pixels/voxels)	Contact company	Multiple resolutions	5 LP/mm	20 LP/cm	125 micrometer voxel
Scan technology	CBCT	Collimation; horizontal, vertical, axial, coronal, and sagittal slicing; preview shot	Panoramic	CBCT Dedicated panoramic	CBCT Volume Scan for 3D, TDI horizontal Scan for pan/ceph
Scan time (in seconds)	18	8.9 (standard scan)	10	10 to 20, depending on resolution and FOV	High Speed Pan, 7.4; 3D, 9.4
Radiation dose per image (in µSv)	Full: 49 (ICRP103, 2007); Zoom: 22 (ICRP103, 2007); HirRs Zoom: 105 (ICRP103, 2007)	36 (standard scan)	32.4 mGvcm ² @60kV	21 to 125 depending on FOV and location	20 to 105 microsievarts measured ICRP 2007 Protocol
Reconstruction time	Less than 1 minute	Less than 30 seconds	N/A	50 seconds	Approximately 1 minute for 1.6" x 1.6" FOV with Core 2 Duo 2.2GHz processor
Integrates with what software?	Dolphin, Anatomage, Simplant, Nobelguide, Implant 3D, Implant Logic, CADimplant, Diagnostix, Maxilim, 3DMD, Medtronic	Quick launch to Invivo5, Dolphin; DICOM data usable in a wide variety of 3D imaging programs such as SureSmile	CliniView, CliniView XV, all Windows-based practice management programs via Twain or Name Grabber	Any Windows-based practice-management software	Supports Dicom standard 3.0. Validated software includes those from Anatomage, Dolphin, Materialise Dental, OnDemand3D, and TDO
Does it do ceph superimposition?	Yes	Yes	No	Yes	Yes, with additional software
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Panoramic Corp
pancorp.com
(800) 654-2027

Schick Technologies
schicktech.com
(718) 482-2210

Sirona Dental Systems
sirona.com
(704) 587-0453

Suni Medical Imaging
suni.com
(800) 438-7864

Vatech America
vatechamerica.com
(201) 210-5028

Product Name



PC-4000 Digital Panoramic Imaging System



CDR Elite



GALILEOS



Suni3D Panoramic and Cephalometric System



PaX-Reve3D

2D or 3D

2D

2D

3D

3D

3D

Cost

N/A

Contact your local
Patterson Branch

Contact Sirona

\$67,500 for cephalometric
system; \$89,900 for 5x5 3D system;
\$99,500 for 8x5 3D system

Contact authorized
dealer

Footprint

35" wide x 42" deep

4' 2 3/8" x 4' 7 1/2"

88" x 53" x 58" (Height
x width x depth)

75.6" wide x 44.5"
deep

4.5' x 5.25'

Patient position

Standing
Wheelchair accessible

Standing
Wheelchair accessible

Seated, Standing
Wheelchair accessible

Seated, Standing
Wheelchair accessible

Seated, Standing
Wheelchair accessible

Field of view

Panoramic

6" x 12" (Pan),
8" x 10" (Ceph)

15 x 15 x 15 cm³

.35 mm x .5 mm focal spot for
cephalometric; upgrade to 3D is 5 x
5 cm or 8 x 5 cm with 2 mm voxel
size for high-resolution 3D imaging

Flexible field of view:
5" x 5", 8" x 6",
12" x 8", 15" x 15"

Voxel size

N/A

N/A

0.3/0.15 mm

.2 mm

.08 mm

Quality of image (in pixels/voxels)

3200 x 1500 ppi

N/A

N/A

16-bit data stream for Pan/
Ceph/3D, .2mm voxel size for
3D with 1.5 mm slice thickness

N/A

Scan technology

Cadmium Telluride
(CdTe)

Pan/Ceph/Vertical
Slicing

CBCT

One-shot cephalometric with
Cesium Iodide Scintillator and
Flat-Panel Detector; CBCT for 3D

CBCT, One-Shot
Ceph, Panorama

Scan time (in seconds)

12

14.1 for standard pan

14

.9 for ceph; 8.3 for 3D

Ceph: Less than .9;
Pano: Less than 9.7

Radiation dose per image (in µSv)

N/A

N/A

29

N/A

N/A

Reconstruction time

N/A

N/A

2 to 4 minutes

Not applicable for ceph (one shot
.9-second capture); less than 1
minute for 3D reconstruction

Less than 60 seconds

Integrates with what software?

Eaglesoft, Schick, Dentrix,
Dexis, Softdent, PracticeWorks,
Easy Dental, Orthotrax, and
all other TWAIN compliant
software suites.

Integrates directly with Schick's
CDR DICOM and Patterson's
Eaglesoft as well as with any
TWAIN-compliant imaging
software

All major
third-party software

Uses Suni Imaging
Software, which integrates
with all major practice-
management programs

N/A

Does it do ceph superimposition?

No

Yes, with additional
software

Yes

Yes, with additional
software

Yes

Types of service available

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