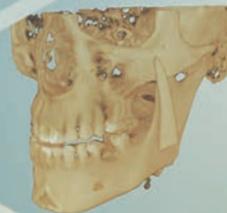


YOUR PRACTICE. YOUR SOLUTIONS.



Why have we created this product guide?

This brochure aims to help you choose the right products from Carestream Dental for your practice.

With this in mind, we have summarised the most important advantages and selling points of our digital radiography and imaging systems, software and applications.



For more information, visit
aluro.co.nz or call **0800 800 085**



Intraoral Cameras



CS 1200



CS 1500

Intraoral Generators



CS 2100



CS 2200



CS 2200 Irix Mount

Intraoral X-Ray



RVG 5200



RVG 6200



RVG 6500



CS 7200



CS 7600

Extraoral X-Ray



CS 8100 Family



CS 9300 Family



CAD/CAM



CBCT Scanning



CS 3600

Software



CS Imaging



CS Adapt



PDIP



CS Connect



CS Model

CS 1200

Intraoral Camera

Superior image quality at an affordable price

Features and benefits

- High image resolution (1024 x 768)
- Enhanced patient communication
- Easy to share supporting both PC and analog display, the camera's direct connections ensure fast and easy sharing between operatories
- Lightweight and compact, the CS 1200 fits easily in hands of all sizes and minimizes operator fatigue
- The rounded head and tapered shape of the camera ensure patient comfort
- Six LED illumination system automatically adjusts to ensure perfectly lit images in any lighting condition
- Stores up to 300 images within the camera itself, eliminating the need for memory cards or multiple computers.



Technical specifications

Sensor	Micron 1/2.5 CMOS
Video resolution	640 (H) x 480 (V)
Image resolution	1024 (H) x 768 (V)
Focus range	3 mm – 25 mm
Angle of view	90°
Field of view	80°
Focus	Fixed Focus
Light source	6 White LED array
Video output	TV-NTSC, TV-PAL, S-Video
Connection	USB 2.0

Recommended PC requirements see page 30

Intraoral imaging

CS 1500 Intraoral Camera

The ideal communication tool for any dental practitioner. Elegantly styled and easy to use, Carestream Dental's first wireless intraoral camera delivers stunning images with the convenience and freedom of Wi-Fi connectivity.

Features and benefits

- Best-in class image quality and resolution
- Patented true autofocus technology
- With built-in Wi-Fi support, the camera provides total freedom of movement
- White LED exposure ensures uniform and bright illumination
- Intraoral and extraoral imaging
- Compatible with computer and video screens
- Available as wired and wireless configuration



Technical specifications

Sensor	Micron 1/2.5 CMOS
Video resolution	640 (H) x 480 (V)
Image resolution	1024 (H) x 768 (V)
Focus range	1 mm to infinity
Angle of view	90°
Field of view	80°
Focus	Autofocus
Light source	8 White LED array
Video output	TV-NTSC, TV-PAL, VGA, S-Video
Connection	USB 2.0

Recommended PC requirements see page 30

Intraoral radiography

CS 2100

Intraoral X-Ray System

Obtain sharp, high contrast images quickly and easily with this affordable high-frequency generator - ideal for your basic intraoral needs.

Features and benefits

- High-frequency DC technology at the price of a conventional generator
- Sharp and high-contrast images for easy diagnosis
- Easy-to-use and fast-setting generator thanks to its improved timer design
- Dose display after each exposure
- Ideal for digital sensors, analog films or phosphor plates
- Multiple configurations available, including ceiling mount, mobile or fixed column mount



Technical specifications

Power supply	230 – 240 V
X-ray generator	Very high frequency – DC (300 kHz)
Tube voltage	60 kV
Tube current	7 mA
Tube focal spot	0.7 mm IEC
Focal spot/skin distance	200 mm

X-ray units are also available with 100-110-130 V

CS 2200 Intraoral X-Ray System

Ensure superior digital image quality in any environment with the CS 2200 system. Designed for safety and efficiency, the intuitive unit helps you make more accurate diagnoses.

Features and benefits

- Maximum image quality with minimum exposure for better patient treatment thanks to its pre-programmed control unit
- Designed for safety and efficiency
- Total control on tube voltage (60 or 70 kV) for high contrasted or high latitude images depending on examination requirements
- Intuitive and easy-to-use thanks to its user's interface, including a dental arch timer
- Ideal for digital sensors, analog films or phosphor plates
- High frequency for better patient safety - reduces the radiation dose up to 25% in comparison with a standard generator
- After each exposure, the dose level is displayed for simple dose monitoring
- Multiple configurations available, a mobile or fixed column mount, as well as wall mounting option fully compatible with the Irix installed base



Wall Mount



Irix Mount

Complete unit with wall mount for replacing existing IRIX systems as well as a variety of other popular manufacturers' systems. Existing holes can be used for wall mounting

Technical specifications

Power supply	230 – 240 V
X-ray generator	Very high frequency – DC (300 kHz)
Tube voltage	60 kV, 70 kV
Tube current	7 mA
Tube focal spot	0.7 mm IEC
Focal spot/skin distance	200 mm

X-ray units are also available with 100-110-130 V

RVG 5200

Digital Radiography System

Intuitive intraoral imaging.
Affordable price.

Features and benefits

- An ideal solution for basic intraoral imaging needs
- Exceptional images quickly and easily
- Advanced image processing tools
- 16 lp/mm true image resolution
- Affordable entry point into digital intraoral imaging



Technical specifications

Sensor size 1



Sensor size 2



True image resolution*	16 lp/mm	16 lp/mm
Pixel size	19 µm	19 µm
External dimensions	27.6 x 37.7 mm	32.2 x 44.2 mm
Dimensions of active area	22.2 x 29.6 mm	26.6 x 35.5 mm
Number of pixels	1.82 million	2.63 million
Sensor plate thickness	7.3 mm	7.3 mm
Purpose	All-purpose sensor	Bitewing examinations
Sensor	CMOS with optical fiber technology	
Connection	USB 2.0	

Recommended PC requirements see page 30

***Did you know?** Theoretical resolution is a calculation of what the sensor is capable of in an ideal world, based solely upon the number of pixels and pixel size of the CMOS sensor. In contrast, **true resolution** adds in the components of the finished product, including sealants, shock layers, scintillators, and protective housing, as well as detector noise and scanner vibrations, to determine the measured resolution in lp/mm.

RVG 6200

Digital Radiography System

Maximum diagnostic precision. Film-quality digital images. Perfect for any dental application.

Features and benefits

- 24 lp/mm true image resolution promotes maximum diagnostic precision
- Customized image contrast according to diagnostic need
- Ergonomically optimized rear entry cable attachment facilitates comfortable positioning
- Sensor cable is 20% thinner and more flexible than previous models of RVG sensors
- Workflow is reduced by two steps and is optimized to the extreme: Position. Expose. View.
- Simplified installation process verifies that the sensor is installed correctly
- Better diagnostic and improved workflow with CS Adapt (for details see page 26)



Optimized Contrast Optimized Smooth Ultra Speed Insight

Technical specifications

Sensor size 1



Sensor size 2



	Sensor size 1	Sensor size 2
True image resolution*	> 24 lp/mm	> 24 lp/mm
Pixel size	19 µm	19 µm
External dimensions	27.6 x 37.7 mm	32.2 x 44.2 mm
Dimensions of active area	22.2 x 29.6 mm	26.6 x 35.5 mm
Number of pixels	1.82 million	2.63 million
Sensor plate thickness	7.3 mm	7.3 mm
Purpose	All-purpose sensor	Bitewing examinations
Sensor	CMOS with optical fiber technology	
Connection	USB 2.0	

Recommended PC requirements see page 30

***Did you know?** Theoretical resolution is a calculation of what the sensor is capable of in an ideal world, based solely upon the number of pixels and pixel size of the CMOS sensor. In contrast, **true resolution** adds in the components of the finished product, including sealants, shock layers, scintillators, and protective housing, as well as detector noise and scanner vibrations, to determine the measured resolution in lp/mm.

RVG 6500

Digital radiographic System

As the first RVG sensor to offer Wi-Fi compatibility, the RVG 6500 system delivers the same exquisite image quality as our wired model.

Features and benefits

- Superior image quality for enhanced diagnostic capability thanks to an up to 20 lp/mm resolution
- Wi-Fi connectivity for faster and more secure image transfer
- Compatible with the iPad, for enhanced portability in and outside the practice
- Rounded corners for patient comfort
- Sensor available in three sizes
- Robust and reliable



The RVG 6500 system comes with various accessories, including a sample pack of disposable hygienic sheaths, positioners, and mounting holder.

Technical specifications

	Sensor size 0	Sensor size 1	Sensor size 2
			
True image resolution*	15 lp/mm	>20 lp/mm	>20 lp/mm
Pixel size	18.5 µm	18.5 µm	18.5 µm
External dimensions	22.2 x 30.8 mm	27.5 x 37.7 mm	32.2 x 44.1 mm
Dimensions of active area	17 x 22 mm (374 mm ²)	22 x 30 mm (660 mm ²)	27 x 36 mm (972 mm ²)
Number of pixels	1.08 million	1.92 million	2.76 million
Purpose	Pediatric examinations	All-purpose sensor	Bitewing examinations
Sensor	CMOS, scintillator, optical fiber with shock-resistant protective layer		
Wireless technology	Wi-Fi 802.11 b&g		
Lithium battery charge cycle	Approx. 180 images		
Control box dimensions	83 (H) x 47 (W) x 16 (D) mm		

Recommended PC requirements see page 30

***Did you know?** Theoretical resolution is a calculation of what the sensor is capable of in an ideal world, based solely upon the number of pixels and pixel size of the CMOS sensor. In contrast, **true resolution** adds in the components of the finished product, including sealants, shock layers, scintillators, and protective housing, as well as detector noise and scanner vibrations, to determine the measured resolution in lp/mm.

Comparative Matrix for RVG Range

Features	RVG 5200	RVG 6200	RVG 6500
Topline Advantages	<ul style="list-style-type: none"> 16 lp/mm true resolution Intuitive and easy to install and use Affordable entry point into digital imaging 	<ul style="list-style-type: none"> 24 lp/mm true resolution Exceptional image quality Superior ergonomics 	<ul style="list-style-type: none"> 20 lp/mm true resolution Wi-Fi for fast and secured image transfer iPad compatible
Pedodontic sensor – Size 0			✓
Size 1 and 2 sensors	✓	✓	✓
Automatic FMS	✓	✓	✓
Waterproof	✓	✓	✓
Specialized positioners	✓	✓	✓
Shock resistant	✓	✓	✓
Optimal patient comfort	✓	✓	✓
Instant image acquisition	✓	✓	✓
High resolution	✓	✓	✓
USB Connectivity	✓	✓	✓
Advanced image enhancement	✓	✓	✓
TWAIN compatible	✓	✓	✓
Film-quality resolution		✓	✓
Wi-Fi enabled			✓

Use the Comparative Matrix below to select the best sensor model and sensor size based on the practitioner's specialty or intended use.

Systems	Size 0	Size 1		Size 2			
	RVG 6500	RVG 5200	RVG 6200	RVG 6500	RVG 5200	RVG 6200	RVG 6500
General diagnostics	●●	●●	●●●	●●●	●●	●●●	●●●
Caries detection	●●	●●	●●●	●●●	●●	●●●	●●●
Endodontics		●	●●●	●●●	●	●●●	●●●
Implantology		●●	●●●	●●●	●●	●●●	●●●
Pedodontics	●●●	●	●●	●●			
Periodontics		●●	●●●	●●●	●●	●●●	●●●

● Good ●● Better ●●● Best

Please note bullets are simply a recommendation based on feedback from our thought leaders and users. One bullet indicates it meets the basic requirements for the application. Three bullets indicates it is the best choice.

CS 7200 Intraoral Imaging Plate System

The everyday digital system that's as easy as film.

With its slim, compact design, the CS 7200 is the perfect chairside system for routine intraoral exams and an easy, affordable digital solution for your practice.

Features and benefits

- True resolution up to 17 lp/ml
- Covers most intraoral indications including periapical, bitewing and pediatric exams
- Space-saving design and quick scanning
- Simple workflow – no clicks required
- Thin, flexible plates



Technical specifications

Imaging plate scanning resolution	Super high resolution	17 lp/mm
	High resolution	14 lp/mm
	High speed	8 lp/mm
Plate Sizes	Size 0 – 22 mm x 35 mm	
	Size 1 – 24 mm x 40 mm	
	Size 2 – 31 mm x 41 mm	
Power supply	100-240 V (ac), 50/60 Hz, 1.2 A	
Connectivity	USB	
System dimensions	270 (H) x 130 (W) x 300 (D) mm	
Weight	3.5 kg	

Recommended PC requirements see page 30

CS 7600

Intraoral Imaging Plate System

The CS 7600 makes the move to digital imaging simple and affordable. The first imaging plate system to feature a fully automated and secure workflow designed to improve productivity and user experience by allowing multiple operators to use the system on multiple patients at the same time, with no waiting required and no risk of errors.

Features and benefits

- High image resolution (up to 18 lp/mm) with a wide exposure range
- First image viewable in as few as 5 seconds.
Full Mouth Series from 2-6 minutes
- Can be used by multiple users at the same time
- Built-in memory eliminates the risk of lost images and allows users to scan plates during network failure
- **Scan & Go** technology
 - Fully secure and automated workflow, avoiding plate mix-up, confusion, and mistakes
 - Secured multi-patients and multi-users management at the same time
 - Bulk scanning reduces operating time
- Remote services help reduce downtime and optimize service cost



Technical specifications

Imaging plate scanning resolution	Super high resolution	17 lp/mm
	High resolution	14 lp/mm
	High speed	8 lp/mm
Plate Sizes	Size 0 – 22 mm x 35 mm	
	Size 1 – 24 mm x 40 mm	
	Size 2 – 31 mm x 41 mm	
	Size 3 – 27 mm x 54 mm	
	Size 4 – 57 mm x 76 mm	
Power supply	100-240 V (ac), 50/60 Hz, 1.5 A	
Display	7.5 cm (3.5") color LCD display	
Unit dimensions (without bracket)	266 (H) x 237 (W) x 259 (D) mm	
Weight	6 kg	

Recommended PC requirements see page 30

CS 8100 Extraoral Imaging System

The sleek and simple panoramic unit that's ideal for everyday use. Blending advanced technologies in an ultra-compact design, the system provides everything you need to capture high-quality, crystal-clear images in seconds.

Features and benefits

- Compact, slim unit – perfect for tight spaces
- Versatile imaging programs cover all your daily panoramic needs
- Use artifact-free image filters to adjust contrast and sharpness with one click
- Acquire images in 10 seconds; then access them instantly
- Convenient and practical face-to-face patient positioning
- Includes our user-friendly and powerful imaging software
- Exclusive 2D+ Technology: allows for buccal/lingual exploration and visualization of multiple slices for more details than ever (available on CS 8100)
- Better diagnostic and improved workflow with CS Adapt (for details see page 26)



reddot design award
winner 2013

CS 8100 3D Extraoral Imaging System

The CS 8100 3D combines 2D and 3D imaging in one unit, helping general practitioners, endodontists, periodontists and other specialists alike fulfill all of their routine imaging needs.

Features and benefits

- Provides best image quality for your investment
- Selectable 3D programs include four fields of view ranging from 4 x 4 cm to 8 x 9 cm
- Ultra-high resolution perfect for endodontic needs (75µm)
- Multifunction system covers a broad range of dental procedures
- Lightweight, ultra-compact unit fits easily in small spaces
- Delivers outstanding value; quick return on investment
- Easy to install, learn, and use
- Better diagnostic and improved workflow with CS Adapt (for details see page 26)



CS 8100SC / CS 8100SC 3D Extraoral Imaging System

The unit features the award-winning technology and compact design concept of the CS 8100 system but with the added benefit of advanced cephalometric imaging.

Features and benefits

- Same features as CS 8100 or CS 8100 3D system, plus cephalometric imaging, offering a range of new diagnostic possibilities
- Versatile cephalometric image formats: 26 x 24 cm, 18 x 24 cm and 18 x 18 cm
- Short exposure time reduces patient dose and the risk of motion blur
- Exclusive automatic tracings for faster diagnosis
- Optimized visualization thanks to orthodontic pre-set filters
- Advanced imaging technology ensures crystal-clear image capture
- Dual sensors – one for panoramic and cephalometric imaging, no need to change the sensor between examinations
- Unrivalled combination of small size and powerful performance



Technical specifications see page 17
Recommended PC requirements see page 30

CS 8100 Family

Technical specifications

3D Modality

Sensor	CMOS
Scan mode	Continuous and pulse
Exposure time	7 to 15 seconds
Field Of View (cm)	4 x 4 / 5 x 5 / 8 x 5 / 8 x 8 / 8 x 9
Voxel size (µm)	75µm minimum
Reconstruction time	Less than 2 minutes

Cephalometric Modality

Technology	Scan
Sensor	CMOS
Gray scale	16384 – 14 bits
Image field	6.4 x 263.3 mm
Magnification	1.13 (± 10%)
Exposure time	3 to 10 seconds
Radiological exam options	Lateral, frontal AP or PA, oblique, submento-vertex, carpus (optional)
Cephalometric formats	26 x 24 cm, 18 x 24 cm and 18 x 18 cm
Minimum required space	1842 (L) x 1133 (D) x 1596 (min H) mm
Weight	107 kg

Panoramic Modality

Sensor	CMOS
Gray scale	4096 - 12 bits
Sensor matrix	64 x 1312 pixels
Magnification	1.2 (± 10%)
Exposure time	2 to 12.5 seconds
Exposure mode	4 patient sizes (child, small, medium, large)
Radiological exam options	Full panoramic, segmented panoramic, maxillary sinus, LA TMJ x 2, LA TMJ x 4, 2D+

X-Ray Generator and other specifications

Tube voltage	60 - 90 kV
Tube current	2 - 15 mA
Frequency	140 kHz
Tube focal spot	0.5 mm (IEC 60336)
Total filtration	> 2.5 mm eq. Al
Unit dimensions	330 (L) x 894 (D) x 1596 (H) mm
Weight	72 kg

CS 9300 / CS 9300C Digital Imaging System

The CS 9300 is the all-in-one imaging solution for dental professionals. Featuring a flexible field of view for truly adaptable 3D imaging, the unit offers unprecedented diagnostic capabilities, covering the widest array of clinical applications in the market. Easily collimate the field of view, adjust resolution, and change position according to your exam specifications. The new Low Dose mode reduces radiation dose and scanning times when compared to the system's standard imaging acquisition program.

Features and benefits

- Adjustable field of view size from 5x5 cm to 17x13.5 cm
- Adaptable to all examination needs
- Delivers up to an 85% lower radiation dose than 2D panoramic imaging with Low Dose mode
- Combines industry-leading panoramic imaging with powerful 3D imaging
- Full DICOM compliance; compatible with third-party software such as Nobel Guide, Simplant, and SureSmile
- Optional one-shot cephalometric imaging
- Variable focal trough 2D panoramic image
- CAD/CAM compatible: Scanning impressions to create 3D digital models
- Better diagnostic and improved workflow with CS Adapt (for details see page 26)

Available in four versions: CS 9300, CS 9300C, CS 9300 Select and CS 9300C Select



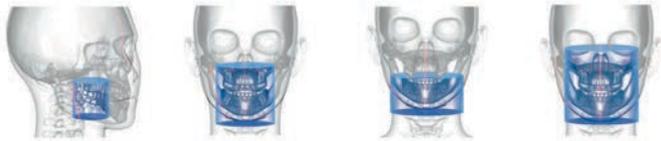
Digital extraoral radiography

CS 9300



- Voxel size: 90 to 500
- FOV (cm): 5 x 5, 8 x 8, 10 x 5, 10 x 10, 17 x 6, 17 x 11, 17 x 13.5

CS 9300 Select



- Voxel size: 90 to 300
- FOV (cm): 5 x 5, 8 x 8, 10 x 5, 10 x 10

CS 9300 Select is not upgradable to CS 9300

Technical specifications

3D Modality

Sensor	TFT
Scan mode	Continuous and pulse
Scanning time	12-28 seconds (+/- 10%)
Voxel size (µm)	90 to 500
Field of view (cm) CS 9300	5 x 5, 8 x 8, 10 x 5, 10 x 10, 17 x 6, 17 x 11, 17 x 13.5
Field of view (cm) CS 9300 Select	5 x 5, 8 x 8, 10 x 5, 10 x 10
Reconstruction time	Less than 2 minutes based on the recommended computer systems configuration requirements

Cephalometric Modality

Sensor	CCD
Gray scale	16384 - 14 bit
Sensor matrix	2100 x 2092 pixels
Magnification	1.15
Exposure time	0.1 to 3.2 seconds
Radiological exam options	Lateral, frontal AP or PA, oblique, submentovertex, carpus
Acquisition format size (cm)	18 x 18, 18 x 24, 24 x 24, 24 x 30, 30 x 30

Panoramic Modality

Sensor	TFT
Gray scale	16384 - 14 bit
Sensor matrix	64 x 1536 pixels
Magnification	1.22
Exposure time	4 to 16 seconds
Radiological exam options	Panoramic, segmented panoramic, maxillary sinus

X-Ray Generator and Other Specifications

Tube voltage	60-80 kV
Tube current	2-15mA
Frequency	140 kHz
Tube focal spot	0.7 mm (IEC 60336)
Input voltage	220 - 230 - 240 V - 50/60 Hz, 100 - 110 - 130 V - 50/60 Hz
Unit dimensions	1158 (L) x 1595 (D) x 2378 (max H) mm With cephalometric module: 2137 (L) x 1595 (D) x 2378 (max H) mm
Weight	160 kg, with cephalometric module 199 kg

Recommended PC requirements see page 30

Comparative Matrix for Extraoral Range

Modalities and Features	CS 8100	CS 8100SC	CS 8100 3D	CS 8100SC 3D	CS 9300 Select	CS 9300C Select	CS 9300	CS 9300C
2D panoramic, TMJ, sinus	✓	✓	✓	✓	✓	✓	✓	✓
2D cephalometric	Upgradeable to ceph	✓	Upgradeable to ceph Sept 2017	✓	Upgradeable to ceph	✓	Upgradeable to ceph	✓
3D imaging	N/A	N/A	✓	✓	✓	✓	✓	✓
3D fields of view size (cm)	N/A	N/A	4x4, 5x5, 8x5, 8x9	4x4, 5x5, 8x5, 8x9	Selectable: 5x5, 8x8, 10x5, 10x10	Selectable: 5x5, 8x8, 10x5, 10x10	Selectable: 5x5, 8x8, 10x5, 10x10, 17x6, 17x11, 17x13.5	Selectable: 5x5, 8x8, 10x5, 10x10, 17x6, 17x11, 17x13.5

Applications	CS 8100	CS 8100SC	CS 8100 3D	CS 8100SC 3D	CS 9300 Select	CS 9300C Select	CS 9300	CS 9300C
General practice	•••	•••	•••	•••	••	••	•	•
Endodontics			•••	•••	••	••	•	•
Implantology	•	•	•••	•••	•••	•••	•••	•••
Periodontics	•	•	••	•••	•••	•••	•••	•••
Oral Surgery	•	•	•	••	•••	•••	•••	•••
Orthodontics		•••		••		•••		•••
Radiology center					••	••	•••	•••
ENT practice							•••	•••

• Good •• Better ••• Best

Please note: The bullet ratings listed above are simply recommendations based on feedback from our thought leaders and users. One bullet indicates the unit meets basic requirements for the application; three bullets indicate it is the best choice.

Extraoral imaging programs

CS 8100

Panoramic imaging



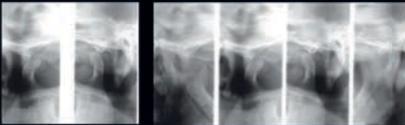
Standard panoramic



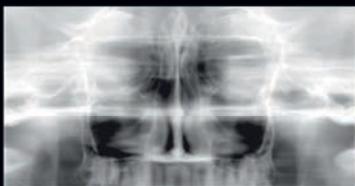
Pediatric panoramic



Segmented panoramic

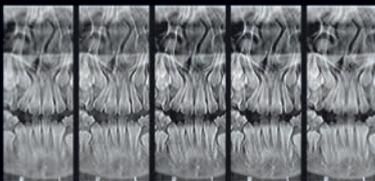


Lateral TMJ x2 Lateral TMJ x4



Maxillary sinus

2D+



Cephalometric imaging



Cranial format 26 x 24 cm



Standard format 18 x 24 cm



Reduces format 18 x 18 cm



Lateral view

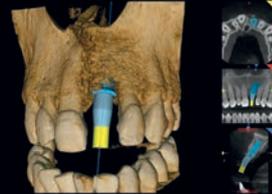


Frontal views (AP/PA)



Carpus

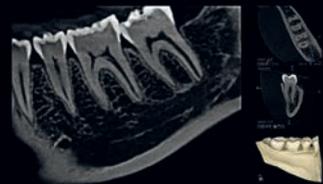
3D imaging



Universal field of view
5 x 5 cm



Pediatric mode 4 x 4 cm



Endo HD mode 5 x 5 cm



Single jaw mode 8 x 5 cm



Dual jaw mode 8 x 9 cm

Extraoral imaging programs

CS 9300

FOV	REGION OF INTEREST	SAMPLE IMAGES		RECOMMENDED APPLICATIONS
17 x 13.5				<ul style="list-style-type: none"> • Orthodontics • Complex treatment planning • Orthognathic surgery • Facial reconstruction • Traumas • Sinus and airway analyses
17 x 11				<ul style="list-style-type: none"> • Orthodontics • Complex treatment planning • Orthognathic surgery • Facial reconstruction • Traumas • Sinus and airway analyses
10 x 10				<ul style="list-style-type: none"> • Implantology • Complex impactions • Other cases involving both dental arches • Single TMJ assessments
17 x 6 – TMJx2				<ul style="list-style-type: none"> • Double TMJ assessments
10 x 5				<ul style="list-style-type: none"> • Implantology, • Impactions • Other cases involving one dental arch
8 x 8 – TMJx1				<ul style="list-style-type: none"> • Single TMJ assessments
8 x 8				<ul style="list-style-type: none"> • Implantology • Complex impactions • Other cases involving both dental arches
5 x 5				<ul style="list-style-type: none"> • Endodontics • Single implants • Impactions • TAD planning • Any applications requiring a high level of detail (90µm)

CBCT

Impression Scanning

Accurate 3D models plus broad diagnostic capabilities

Add digital impressions to the list of applications for Carestream Dental CBCT systems. Using the CS 9300, CS 9000 3D, CS 8100 3D, you can scan traditional impressions to create high precision 3D models quickly and easily.

We provide a smooth transition to digital, with a familiar impression workflow and a high degree of accuracy.

Features and benefits

- Precise scanning, even for hard-to-reach areas, for superior clinical results
- Digital impressions with an average resolution of 30 µm
- Works with any A-silicon impression material
- Covers single tooth indications (full crown, inlay, onlay)
- Intuitive interface and dedicated platform for fast and precise scanning
- Open STL format fits any workflow

An upgrade kit is required for 3D units produced prior to 2011.



Three simple steps to a 3D model



CS 3600

Intraoral Scanner

Scan smarter. Easier. Faster. Open.

The CS 3600 intraoral scanner from Carestream Dental puts smarter scanning in your hands, whether your practice handles restorative, orthodontic or implant cases, the CS 3600 adapts to your needs by making digital impression capture fast and easy.

Features and benefits

- High speed continuous scanning delivers a super fast simple, smooth and efficient user experience
- Intelligent Matching System allows you to freely complete any missing data in any area
- Scan data history allows you to remove any excess scanned tissue for a more refined final digital impression
- Facilitates a wide range of applications, with dedicated workflows for restorations, orthodontics and implantborne restorations
- An intuitive, guided step-by-step user interface helps to simplify the transition to a digital workflow
- Autoclavable, reusable tips in two interchangeable styles optimize ergonomics while offering flexible
- Precise, accurate full 3D HD color scanning provides superb image quality
- Open system scanning provides optimal flexibility due to open .stl and .ply file outputs

Technical specifications

Sensor technology	1/2 inch CMOS
Illumination	LED, Amber, Blue, Green
Field of view	13 x 13 mm
Depth of field	-2 to +12 mm
Anti-fogging technology	Actively heated tip, guaranteed non-fogging operation when used intraorally
Cable length	2.7 m (1.8 m + 0.9 m)
Digital connection	USB 2.0 High Speed
Dimensions without cable	220 x 38 x 58 mm
Weight	245 x 37 x 62 mm
Handpiece	295 g
Power box (Input / Output)	75 x 21 x 21 mm (12V 2A / 12V 2A)
Adapter (Input / Output)	100-240V ~ 50/60Hz, 600mA / 12.0V 2.0A

Recommended PC requirements see page 31



CS Imaging Software

New name. New look. Same efficiency.

CS Imaging version 7 is the control platform for Carestream Dental's digital imaging equipment and CAD/CAM systems. Designed to support everyday diagnostic needs, the user-friendly software provides the tools you need to work efficiently.

Features and benefits

- **New Patient Browser** makes searching quick and easy
- **CS Adapt Module** – customised look and feel of your images and automatic access to your favorite filters
- Exclusive **automatic tracing** software – full tracing within 90 seconds
- Full range of **image analysis** tools: sharpness filters, zoom, brightness/contrast, etc.
- Multiple display modes, including X-ray comparison
- **Customisable FMS** mounts automatically arrange image series in the correct order
- Images can be shared in all common image file formats
- Can be used as standalone program or integrated within practice management software



CS Imaging Version 7

The software controls all Carestream Dental products

- Easy-to-use
- All features are accessible with just a few clicks
- Network ready
- Windows 10 ready
- Optional DICOM support

CS Adapt

**Upgrade to more individualised diagnostics.
Imaging that works the way you do.**

This major upgrade to our Dental Imaging Software lets you decide how you want your images to appear.

In addition the CS Adapt upgrade features state-of-the-art rendering algorithms that dramatically improve image quality across the Carestream Dental range.

So whether you're working with 2D panoramic or cephalometric images, CS Adapt will let you work with greater confidence and less risk of misdiagnosis.



Features and benefits

- Six panoramic look & feel filter presets
- Four cephalometric look and feel filter presets
- Ability to define your own look & feel
- Intuitive library-style browsing and selection
- State-of-the-art image quality
- No more processing artifacts or "dark halos"
- Same flexibility and quality across devices



Prosthetic-Driven Implant Planning

Prosthetic-Driven Implant Planning with CS 3D Imaging is designed to make implant placement simple – delivering optimal results to ensure confidence and improve predictability of treatment outcomes.

Features and benefits

- Ability to visualize placement of implant in relation to bone and restoration
- Digital Workflow improves efficiency, safety and communication
- Implant positioning based on ideal future restoration, not the other way around
- Ensures patient's prosthetic needs, functional requirements and anatomical constraints are considered during implant planning



Discover a simpler workflow:

Scan Patient



Take 3D x-ray and digital impression to capture both bone structures and soft tissue situations

Merge Data



Automatically combine digital impression and CBCT scan in CS 3D Imaging

Plan Implant



Add crown and plan implant position, taking into account final restoration and anatomy

Export Data



Export 3D data into third-party software

Create Guide



Use your preferred third-party software to produce surgical guide

CS Model

The model of perfection for orthodontic applications

Create digital models in minutes with flexible 3D scanning options.

Eliminate the hassles and costs of plaster models with CS Model part of the new CS Solutions for orthodontics. When used with the CS 3500 intraoral scanner or our CBCT scanning systems, CS Model makes it easy to create accurate digital models for orthodontic applications. And whether you use traditional or digital impression methods, CS Model is designed to fit easily into your current workflow so the perfect digital model is just minutes away.

Features and benefits

- Obtain new models in a fraction of the time
- Create digital copies and then discard existing physical models to save space
- Store models digitally to eliminate plaster
- Avoid time-consuming model inventory procedures
- Send digital files directly to lab for appliance fabrication
- Choose from multiple scanning options to fit your workflow



CS Connect

CS Connect is a straightforward and easy-to-use solution for transferring digital impression data. It gives you the freedom to choose which lab to use without all the hassle—no additional software required.

Features and benefits

- Transfer .STL and DICOM files to any lab, with no proprietary restrictions
- Integrated online forms simplify workflow
- Customizable forms ensure cases sent to lab meet lab and doctor requirements
- CS Connect offers 14 days of cloud storage
- Send data anytime from any PC in the practice – no real-time connection required
- Integrates directly with CS Imaging software with a single click of the mouse
- Easy to adopt, requires no IT skills
- Eliminates need for using a courier or shipping service



1 Doctor scans patient



2 Scan uploaded to CS Connect with lab order and lab receives email notification



3 Lab downloads scan data and manufactures the requested order



4 Lab completes the order and sends to the doctor



5 Doctor places final restoration or appliance

Recommended PC requirements

For intraoral units:

Intraoral cameras, RVG sensors, CS 7200, CS 7600

	Viewing and acquisition
CPU	2 GHz Intel Dual Core
RAM	2 GB
Hard disc drive	1.2 GB for software installation 80 GB free space to use the software
Graphic board	Separate video card with min 256 MB of video RAM
Monitor	17" or larger Minimum screen resolution of 1024 x 768, 32-bit color mode
Operating system	Windows 7 or 8 / 64 Bit (CS 7400 - Windows 7 32 Bit only)
Ethernet interface	1 Gbit for LAN
USB ports	USB 2.0 high speed or USB 3.0 (CS 7400 - USB 2.0 only)
CD/DVD drive	DVD-ROM drive

For extraoral units:

CS 8100 Family, CS 9300 Family

	Viewing	Acquisition
CPU	2 GHz Intel Duo Core	2 GHz Intel Duo Core
RAM	4 GB	8 GB
Hard disk drive	1.2 GB for software installation 250 GB free space to use the software	4 GB for software installation 250 GB free space to use the software
Graphic board	2D – PCI Express based card with min 512 MB 3D - NVIDIA based graphic card	2D – PCI Express based card with min 512 MB 3D - NVIDIA based graphic card with min 2 GB CUDA 3 compatible, minimum 200 CUDA cores
Monitor	19" or larger Minimum screen resolution of 1280 x 1024, 32-bit color mode	19" or larger Minimum screen resolution of 1280 x 1024, 32-bit color mode
Operating system	Windows 7 or 8 / 64 Bit	Windows 7 or 8 / 64 Bit
Ethernet interface	1 Gbit for LAN	1 Gbit for system link connection 1 Gbit for LAN CS 9300 - one free PCIe slot required for Intel Pro 1000 CT (delivered with the unit)
CD/DVD drive	A DVD Burner drive is required	
Backup Media	Removable/portable external hard disk drive	
Mouse	A mouse with 2 buttons and a scroll wheel is required	

IMPORTANT NOTE: It is mandatory to check that the PC system configuration is compatible with the PC system requirements. If necessary, please contact our customer service to get the latest PC system requirements. The computer and the peripheral equipment must conform to the IEC 60950 standard.

Recommended PC requirements

**For CS Solutions:
CS 3000, CS 3500, CS 3600, CS Restore**

Viewing and acquisition	
CPU	Laptop: Intel Core i7-3630QM, Quad CPU, 2.4 GHz Desktop: Intel Core i7-3770, Quad CPU, 3.4 GHz For CS 3600 Laptop: Intel Core i7-4700QM, Quad CPU, 2.4 GHz Desktop: Intel Core i7-3770, Quad CPU, 3.4 GHz
RAM	8 GB, 16 GB for CS 3600
Hard disc drive	1.2 GB for software installation 120 GB free space to use the software
Graphic board	Laptop: NVIDIA GeForce GTX 660M/Quadro K2100M or similar Desktop: ATI HD 7850/NVIDIA GeForce GTX 560Ti or similar For CS 3600 Laptop: NVIDIA GeForce GTX 860M/Quadro K3100M or similar Desktop: NVIDIA GeForce GTX 760 or similar Supports OpenGL version 4.3 and OpenCL version 1.1
Monitor	17" or larger CRT/LCD monitor with screen resolution of 1440 x 900
Operating system	Windows 7, 8, 8.1, or 10 Professional (64 bit)
Ethernet interface	1 Gbit for LAN
USB 2.0	3 ports
CD/DVD drive	DVD-ROM drive

IMPORTANT NOTE: It is mandatory to check that the PC system configuration is compatible with the PC system requirements. If necessary, please contact our customer service to get the latest PC system requirements. The computer and the peripheral equipment must conform to the IEC 60950 standard.

Looking for an imaging solution?

We're confident we have the ideal solution for every practice!

- A full range of dental radiography and imaging systems
- 100 years' experience in dental imaging
- In-house product development and manufacturing
- Worldwide dealer and service network
- The inventor of intraoral sensor technology
- High quality standards



Would you like to know more?

Contact Aluro Healthcare on **0800 800 085** or visit **aluro.co.nz**



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