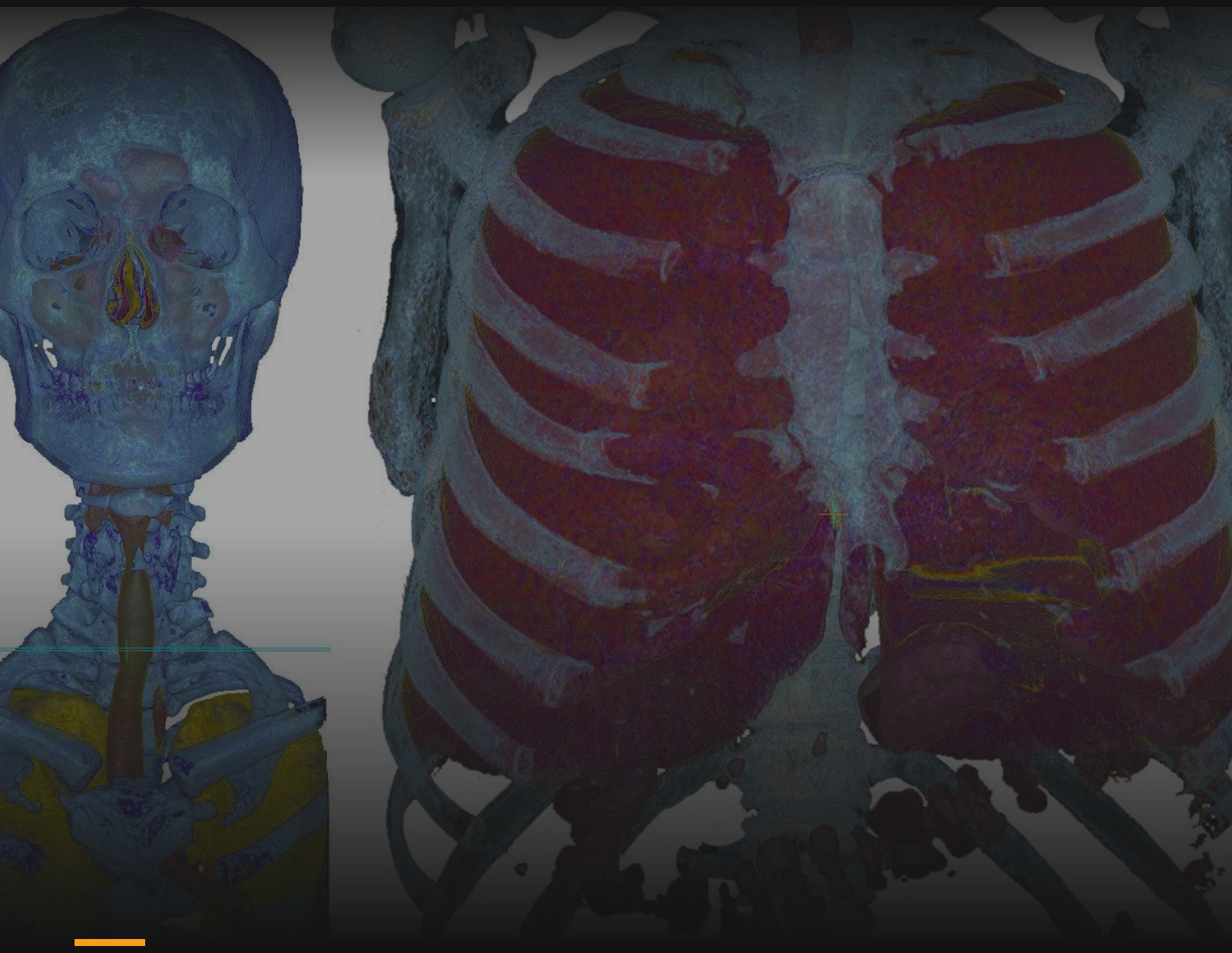


PRODUCT BROCHURE · HUMAN IMAGING

Imaging software your systems can ship with.

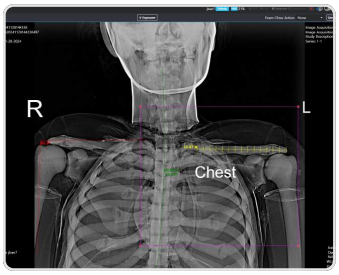
Acquisition console, 2D and 3D viewers, and web-based PACS for human medical and dental imaging — for device makers, system vendors and distributors through OEM, reseller and bundle partnerships.

MEDICAL — Sugar PACS · Sugar 2D · Sugar Mammo · Sugar 3D

DENTAL — Sugar Dental PACS · Sugar 2D Dent · Sugar 3D Dent

One partner for human imaging software

Sugarpole Co., Ltd. develops DICOM-based imaging software in Seoul, South Korea. For human medical and dental imaging we cover the whole chain — the acquisition console at the X-ray system, 2D and 3D viewers, and web-based PACS — so partners can ship one integrated software stack with their systems, or offer it under their own brand.



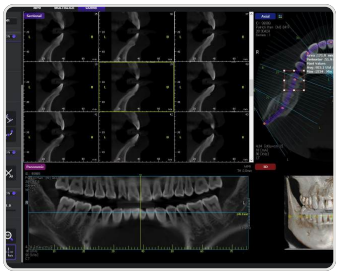
Sugar 2D · Sugar Mammo
X-ray, DR and mammography



Sugar 3D
CT and MR in MPR and 3D



Sugar PACS
Web-based storage and sharing



Dental: PACS · 2D · 3D
Intraoral, panoramic and CBCT

Why partner with Sugarpole

From one viewer to every modality

Since our first dental 2D viewer in 2014 we have grown into a full lineup: 2D, 3D, mammography, dental and web-based PACS.

Proven OEM supplier

Consoles and viewers supplied to X-ray equipment makers in Korea and overseas, with the UI and workflow tailored to each system.

Ready for your brand

Cloud or on-premises deployment, and EMR/HIS integration available on request.

Who we work with

X-ray / DR system makers
Console and viewers under your brand, with PACS

Detector makers
A ready software stack to ship with your panels

CT / CBCT makers
3D viewer and PACS for your systems

EMR / HIS companies
Sugar PACS integrated with your platform

Imaging distributors
Viewers and Sugar PACS for your territory

Development and supply track record

- Maxillofacial CT viewer developed for a dental CT system maker
- 3D viewer supplied to an implant and dental CT system maker
- DR console viewer developed for an imaging acquisition device maker
- DR software, 3D viewer and web-based PACS developed for an X-ray system vendor

Human product lineup

Seven products for human medical and dental imaging — from capture at the X-ray system to 3D viewing and web-based image management. Each product is detailed on the page shown.

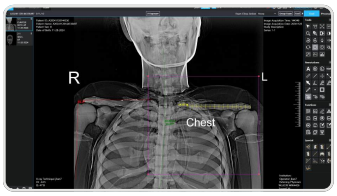
MEDICAL



3-1 WEB-BASED PACS

Sugar PACS

Zero-footprint viewing and reporting in any browser, across modalities — cloud or on-premises.



3-2 DR ACQUISITION CONSOLE & 2D VIEWER

Sugar 2D

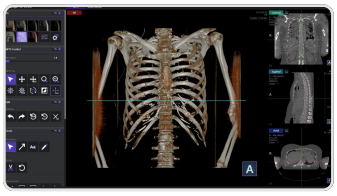
From patient registration and capture to review, measurement and PACS send, in one application.



3-3 MAMMOGRAPHY CONSOLE & VIEWER

Sugar Mammo

High-resolution reading for microcalcifications and masses, with BI-RADS reporting.



3-4 MEDICAL 3D VIEWER

Sugar 3D

GPU real-time 3D for CT, MR and other DICOM data, in Standard and Premium editions.

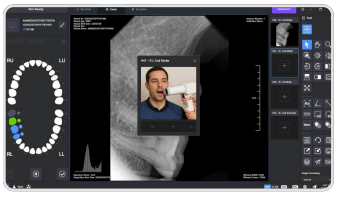
DENTAL



3-5 CLOUD-READY DENTAL PACS

Sugar Dental PACS

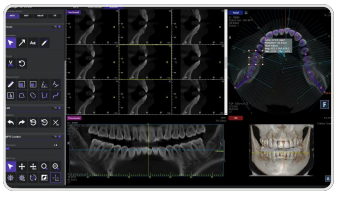
Every dental image, from 2D radiographs to CBCT, in one browser-based platform.



3-6 DENTAL 2D VIEWER

Sugar 2D Dent

A simple, fast viewer for dental X-rays, with capture workflow and PACS integration.



3-7 DENTAL 3D VIEWER

Sugar 3D Dent

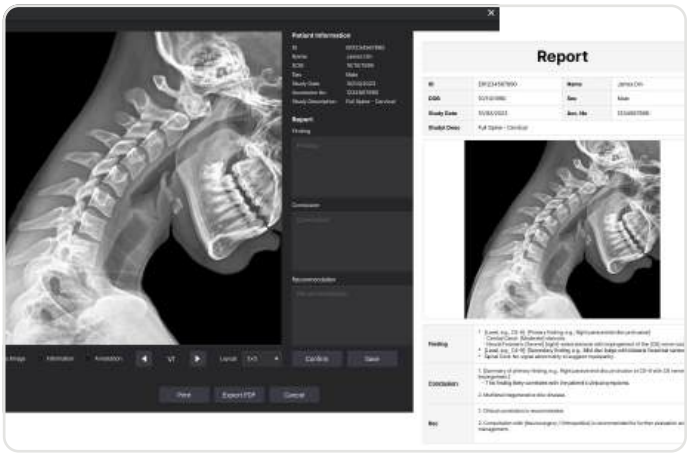
Lifelike 3D models and MPR for implant, orthodontic and prosthetic planning.

3-1 WEB-BASED PACS · MEDICAL

Sugar PACS

Medical images and reports in any browser — on any device, cloud or on-premises.





Sugar PACS is a web-based Picture Archiving and Communication System. Clinicians securely access medical images and reports from any location with a browser — no software installation — while image review and reporting happen on one screen.

Key features

Zero-footprint web access

Runs in any standard browser on PC, Mac, tablet or smartphone — nothing to install or maintain on each device.

Multi-modality, fully DICOM

CR, DX, MG, CT, MR, US, RF, ES and more in one unified viewer, with side-by-side study comparison.

Advanced visualization

WW/WC, distance, angle and ROI measurement, annotations, split-screen, cine mode and MPR / MIP.

Integrated reporting

Read and report in one workspace: embed key images and share reports.

Role-based access control

Granular permissions for radiologists, clinicians, radiographers and administrators.

Cloud or on-premises

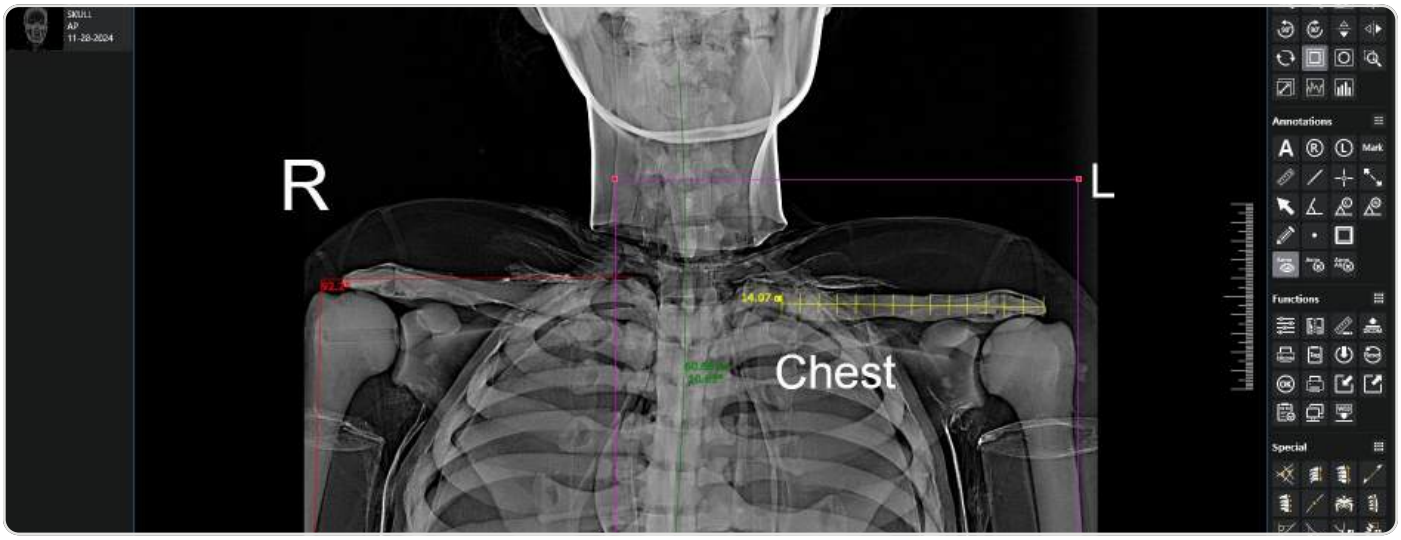
	Cloud	On-premises
Server location	External cloud (AWS, Azure)	Internal hospital server
External access	Enabled — remote reading, second opinions	Closed network; custom setup if needed
Maintenance	Managed by Sugarpole	Hospital IT or selected partners
Deployment	Ready in a few days	Network and server setup may be needed
Best for	Clinics, multi-site groups, remote access	Strict security, offline use, EMR/HIS integration

FOR PARTNERS — OEM-ready · EMR/HIS integration on request · Sugar CoreLink routes data between local, external and web-based PACS

3-2 DR ACQUISITION CONSOLE & 2D VIEWER · MEDICAL

Sugar 2D

From capture at the X-ray system to review and PACS send — in one application.



Sugar 2D combines a DR acquisition console with a 2D medical viewer. Technologists register patients, capture and review images, then send them to PACS — built for speed and precision, with a workflow that needs very little training.

Key features

Acquisition workflow

Patient registration, exam list and capture, then review and send to PACS — all in one application.

Works with your detector

Supports a range of X-ray detectors, with a high-resolution image processing engine.

Image optimization

Windowing, brightness and contrast, edge enhancement and noise reduction; pseudo-color and inversion.

Measurement & annotation

Distance, angle and area measurement, with annotations and markers on 2D X-rays.

Reporting & integration

Reports with embedded images and measurements; DICOM 3.0, PACS/RIS, EMR/HIS on request.

Dual monitor & data security

Automatic dual-monitor support; patient data encrypted in transit and at rest.

One workflow, start to finish



01 **Registration**



02 **Capture & review**



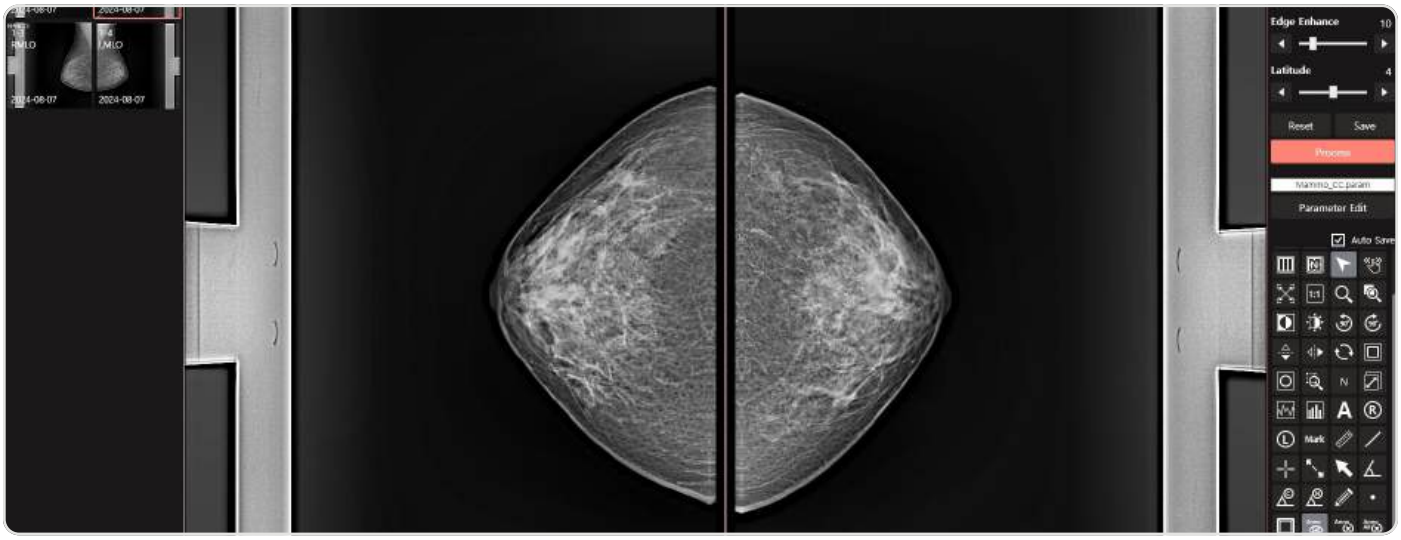
03 **Reporting**

FOR PARTNERS Fully customizable for OEM requests · Available for overseas OEM supply

3-3 MAMMOGRAPHY CONSOLE & VIEWER · MEDICAL

Sugar Mammo

Detailed review of microcalcifications and masses, with BI-RADS reporting built in.



Sugar Mammo is a mammography acquisition console and viewer for breast imaging. Breast-specific image processing and dedicated reading tools help radiologists review subtle findings clearly and efficiently.

Key features

High-resolution display

Fine detail for subtle lesions and microcalcifications, on diagnostic and general-purpose monitors.

Breast-specific processing

Automatic windowing for breast tissue, edge enhancement, image optimization and grid suppression.

Symmetric & prior comparison

Side-by-side left/right view and comparison with prior studies to detect change.

Magnifier & measurement

Magnifying glass for suspicious areas; lesion size, depth and density measurement.

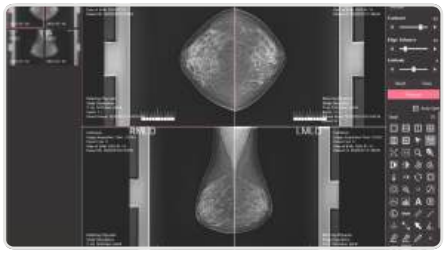
BI-RADS reporting

BI-RADS location annotation and findings, with template-based structured reports.

Breast density tools

Density assessment tools that support consistent, efficient reading.

Built for mammography reading



Symmetric view

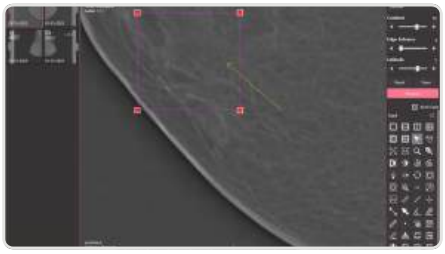


Image optimization



BI-RADS location

FOR PARTNERS Fully customizable for OEM requests · Console and viewer for mammography system makers

3-4 MEDICAL 3D VIEWER · MEDICAL

Sugar 3D

Real-time 3D for CT, MR and other DICOM data — no conversion needed.



Sugar 3D lets clinicians explore, analyze and interpret CT, MR and other DICOM images in three dimensions. GPU-based rendering generates volumes instantly from the original DICOM data, in an interface non-technical users can operate with ease.

Key features

Real-time 3D rendering

GPU volume rendering of DICOM data without format conversion; rotate, zoom and slice freely.

Multiple view modes

Axial, coronal, sagittal and 3D; panoramic and sectional (curve) views; multi-slice comparison.

Advanced tools

Distance, angle, area and volume measurement; clipping, segmentation and color mapping.

Expert-level tools

VOI region highlighting and VR Cube for exploring anatomy in any orientation.

Implant simulation

Premium: built-in implant library with position, angulation and depth control.

PACS & DICOM transfer

Premium: PACS integration using original DICOM data, plus DICOM capture and transfer.

Standard and Premium

Function	Std	Prem
3D rendering & view modes	✓	✓
Advanced & expert tools	✓	✓
Implant simulation	—	✓
PACS integration	—	✓
DICOM capture & transfer	—	✓

Use cases



Thoracic surgery

Airways, vessels and lymph nodes in 3D for lesion localization and surgical planning.



Orthopedics

Bones and joints for fracture assessment, implant simulation and post-op comparison.



Radiology

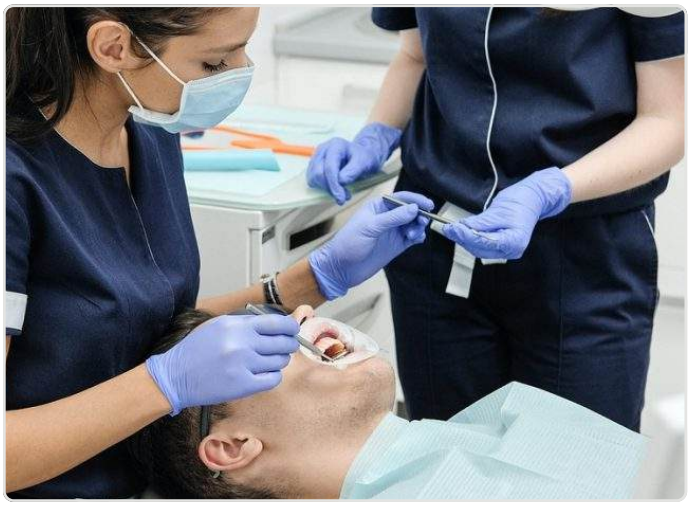
Axial slices plus 3D rendering for complex lesions, shared via PACS.

SYSTEM Windows 10 / 11 · NVIDIA or AMD GPU (4 GB+ VRAM recommended) · 16 GB+ RAM recommended · 1920 × 1080 display recommended

3-5 CLOUD-READY DENTAL PACS · DENTAL

Sugar Dental PACS

Every dental image — from 2D radiographs to CBCT — in one browser-based platform.





Sugar Dental PACS stores and manages dental radiographs and clinical images for dental clinics, multi-branch practices and dental hospitals. Teams view, report and share securely from anywhere — and in the cloud, Sugarpole runs the system for them.

Key features

Every dental modality

Panoramic, cephalometric, periapical, bitewing, CBCT and intraoral camera images in one viewer.

Full DICOM compatibility

DICOM images from dental X-ray and CBCT devices, in one standard workflow.

Dental analysis tools

Ceph angle analysis, endodontic length measurement, implant planning aids and a CBCT slice viewer.

Zero-footprint access

View 2D and CBCT images in a browser on Windows, macOS, tablets and phones.

Specialist collaboration

Share images and reports instantly with orthodontists, implant specialists or partner clinics.

Fully managed service

Maintenance, updates and monitoring by Sugarpole; storage scales as CBCT volumes grow.

DENTAL IMAGE TYPES

PANORAMIC · CEPHALOMETRIC · PERIAPICAL · BITEWING · CBCT · INTRAORAL CAMERA

Built for every dental workflow

Orthodontics

Ceph tracing and angle analysis, shared instantly with orthodontists.

Implants

CBCT slice viewer and implant planning aids in one browser view.

Endodontics

Endodontic length measurement on periapical images.

General dentistry

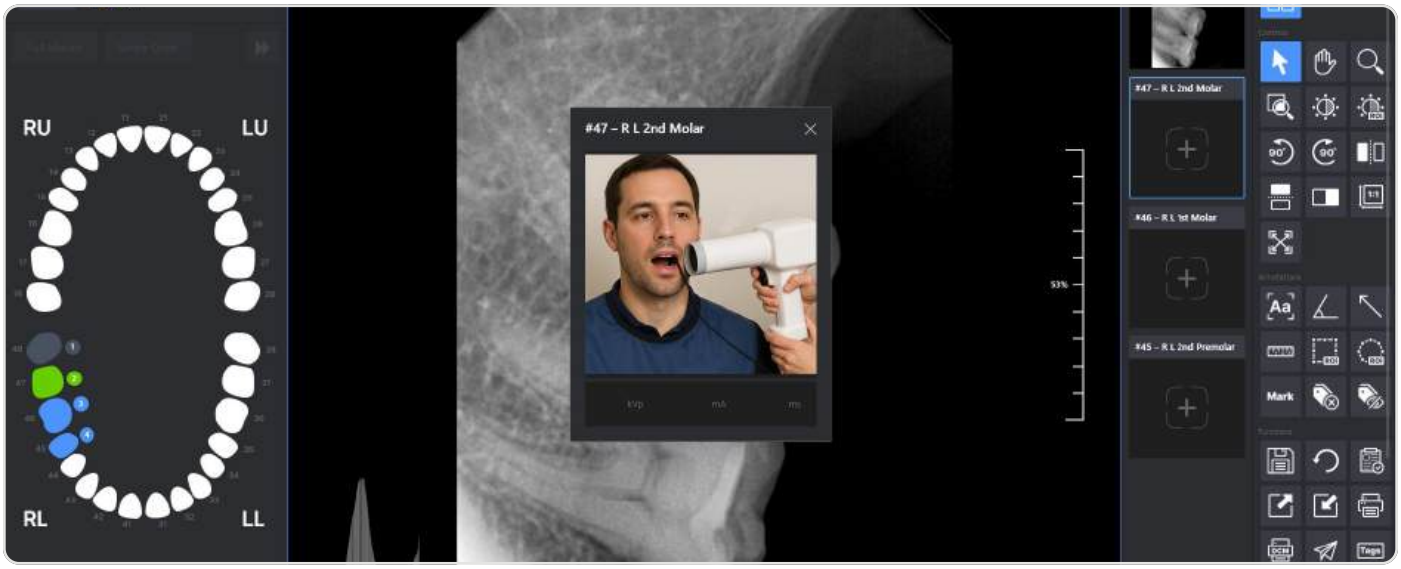
Pano, bitewing and intraoral images compared side by side.

FOR PARTNERS Cloud (AWS, Azure), maintained by Sugarpole, or on-premises · OEM-ready

3-6 DENTAL 2D VIEWER · DENTAL

Sugar 2D Dent

A simple, efficient viewer for dental X-rays — from capture to report.



Sugar 2D Dent is a dental 2D viewer with an integrated capture workflow. Clinics register patients, acquire dental X-rays, and review, measure and report in one fast, intuitive application that needs very little training.

Key features

Capture workflow

Quick patient registration, exam list and capture, with each patient's imaging history at a glance.

Tooth-chart navigation

Organize and review images by tooth from an on-screen dental chart.

Image optimization

Contrast, brightness, zoom, pan and windowing to reveal subtle details.

Measurement & annotation

Distance, angle and area measurement; mark regions of interest and add notes.

Reporting & PACS

Reports with embedded images and measurements; DICOM and multi-format support, PACS/RIS integration.

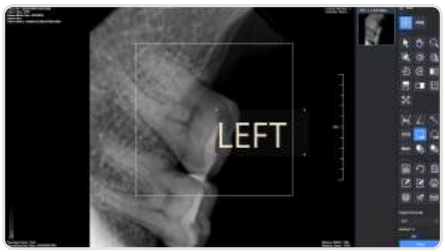
Dual monitor ready

Adapts automatically to dual-monitor setups, with fast loading and smooth handling.

From capture to report



01 **Capture**



02 **Review & optimize**



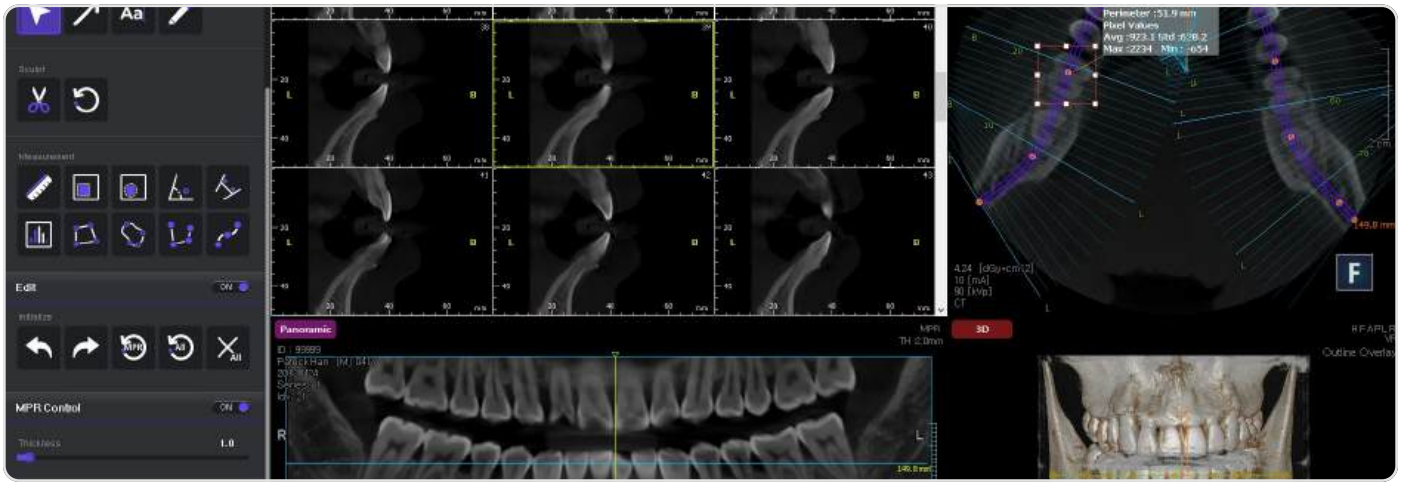
03 **Reporting**

FOR PARTNERS Fully customizable for OEM requests · Capture workflow ready for your dental X-ray system

3-7 DENTAL 3D VIEWER · DENTAL

Sugar 3D Dent

Lifelike 3D dental models and MPR for confident treatment planning.



Sugar 3D Dent renders and analyzes 3D dental scan data as lifelike 3D models, with multi-planar reconstruction for a closer look. It supports diagnosis, treatment planning and patient communication in implant, orthodontic and prosthetic care.

Key features

Realistic 3D rendering

Detailed 3D models of teeth and surrounding structures, generated from scan data.

Multi-planar reconstruction

Axial, sagittal and coronal views for multi-angle analysis.

Precise measurement

Tooth dimensions, bone density and other clinical parameters.

Customizable visualization

Zoom, pan, rotation and color adjustment for every case.

AI-assisted analysis

AI tools that help automate complex analysis steps.

Virtual treatment simulation

Plan treatment virtually and preview the planned result before you begin.

Use cases



Implant surgery planning

Implant size, angle and position from 3D models and MPR views.



Orthodontic treatment

Tooth alignment in 3D, with virtual setup before treatment.



Prosthetic treatment

Crowns, bridges and dentures previewed in the patient's anatomy.

FOR PARTNERS Fully customizable for OEM requests · 3D viewer supply for dental CT and implant system makers

Bring Sugarpole software to your market

Three ways to bring our software to your customers — choose one or combine them.

OEM

X-RAY / DR, DETECTOR, CT MAKERS AND PACS PARTNERS

- Your brand on our acquisition console, 2D/3D viewers or Sugar PACS
- UI, workflow and detector integration customized for your system
- Cloud or on-premises PACS; cloud run by Sugarpole

Reseller

IMAGING DISTRIBUTORS AND X-RAY DEALERS

- Sell Sugarpole products under the Sugarpole brand
- Product demos provided by Sugarpole
- Territory and terms agreed with each partner

Bundle

X-RAY AND CT SYSTEM MAKERS

- Console, viewers and PACS shipped as standard software with your systems
- One vendor for acquisition, 2D/3D viewing and image management
- EMR/HIS integration available on request

PARTNER SUCCESS · NORTH AMERICA

A full year's target, surpassed in just 4 weeks.

THE PLAN · SET AT CONTRACT

40 clinics

within the first year (52 weeks)

→

WHAT HAPPENED

80 clinics

within 4 weeks of signing

A North American partner offers Sugar PACS to veterinary clinics as an OEM product under its own brand. Sugarpole provides the platform and runs the cloud; the partner owns the brand and the customer relationship.

How we work together

01
Intro and demo
Introductory call and live product demo

02
Evaluation
Evaluation license available on request

03
Integration
Integration and customization for your systems and markets

04
Launch
Launch, onboarding and ongoing support

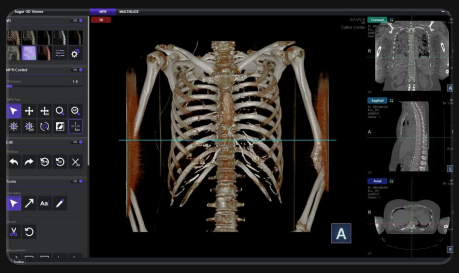
AGREED WITH EACH PARTNER

Pricing, licensing and territory | Regulatory status | Interface languages | Onboarding, training and support

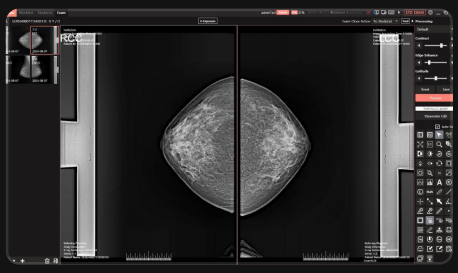
CONTACT

Let's talk partnership.

Request a live demo of Sugar PACS, our acquisition consoles or Sugar 3D — or discuss OEM, reseller and bundle options for your market.







Sugarpole Co., Ltd.

shkim@sugarpole.com

M +82-10-9496-3156 · T +82-2-6956-1465

#1111, 306 Digital-ro, Guro-gu, Seoul, Republic of Korea

sugarpole.com

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