

[TRUE WIRELESS · DIRECT CONVERSION]

The radiograph, captured. Not synthesized.

DC-Air™ is dentistry's first and only Bluetooth® wireless, direct-conversion intraoral sensor. X-ray photons convert straight to signal. No scintillator, no sharpening filters, and no cable out of your patient's mouth.

◆ **Best Image Quality**

Clinicians Report® 2026 Buying Guide

◆ **Top Award Winner**

Dental Advisor 2024

◆ **Best Product**

Dental Product Shopper · 4.6 / 5



Direct-conversion image quality

Conventional scintillator sensors convert X-rays to visible light before reading them, and every conversion costs detail. DC-Air's single-crystal silicon detector converts X-ray photons directly to electronic signal. Captures receive brightness and contrast adjustment only, never sharpening.

True wireless, clinically reliable

Bluetooth® Low Energy auto-triggers on exposure and holds images in a 4 MB onboard buffer, so a capture is never lost waiting on the connection. Rated at 3 m, the link comfortably reaches across the operator and well beyond in daily use. No cable to drag the sensor out of position; FTG reports up to 40% fewer retakes.

Positioning freedom

360° placement with distal or mesial orientation. Zero Profile® holders clip directly to the back of the sensor and add no bulk, so nothing extra goes in the patient's mouth and your protocol stays the same.

Built for the operator

IP67-sealed body stands up to wipe-downs and daily clinical use. 150+ radiographs per charge covers a full clinical day, and the sensor recharges in under a minute on its docking station between patients.

Since 2003 · 5.0★ · 132 Google reviews.

Installation, software integration, team training and expert support included with every DC-Air™.

DENTALTI.COM/DC-AIR · 800-672-5733

[VERIFIED SPECIFICATIONS]

SOURCE: FTG PUBLISHED DOCUMENTATION

SENSOR SIZE	Size 2
ACTIVE AREA	35.1 × 24.7 mm
PIXEL PITCH	26 µm
RESOLUTION	1,249,920 pixels · 12-bit
MTF	>70% @ 5 lp/mm · >40% @ 10 lp/mm, in FTG's published MTF testing
DETECTOR	Single-crystal direct-conversion silicon CMOS. No scintillator, no fiber-optic plate
CONNECTIVITY	Bluetooth® Low Energy · ~3 m range · auto-triggers on exposure · 4 MB onboard buffer
EXPOSURE RANGE	0.08–1 s @ 65–70 kV, 2–10 mA
BATTERY	150+ radiographs per charge · recharges in under 1 minute on the dock · 19 mAh Li-Ion
DURABILITY	IP67-sealed body
POSITIONING	360°, distal or mesial orientation with Zero Profile® holders
WARRANTY	2-year manufacturer warranty

Resolution you can measure

Modulation transfer function measures how much contrast survives at each level of detail. It is the most complete single measure of true resolution because it accounts for detail and contrast together across the diagnostic range. Direct conversion preserves contrast that scintillator-based designs lose translating X-rays into light.

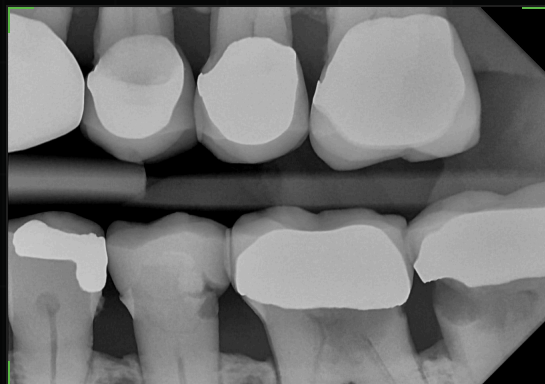
>70% **>40%** **26 µm**
 MTF @ 5 LP/MM MTF @ 10 LP/MM PIXEL PITCH

In the Starter Kit

- + DC-Air™ wireless sensor
- + Docking station + USB-C cable
- + Zero Profile® complete holder kit
- + TWAIN license: one network, unlimited PCs
- + 2-year manufacturer warranty
- + Installation and software integration
- + Remote team training, on-site available



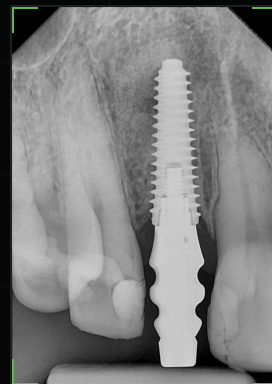
ZERO PROFILE® HOLDER SET · COLOR-CODED BY PROCEDURE



BITEWING · 250 MS @ 70 KV · UNCROPPED CAPTURE



ENDODONTIC #13 · OBTURATION



RESTORED IMPLANT



See your own radiographs on DC-Air™.

Book a live demo: **800-672-5733** · dentalti.com/dc-air

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simplifying dental technology