

[WIRED · WIRELESS]

Which sensor fits your practice?

Both sensors earn their operatory. The honest difference is how they connect, how the image is made, and what your practice volume does to a cord over time. Manufacturer-published specifications only — a dash means the manufacturer doesn't publish that figure.

Imagen sensor

Imagen

WIRED CMOS SENSOR



DC-Air™

WIRELESS DIRECT-CONVERSION

CONNECTION	Wired — direct USB	Wireless — Bluetooth® Low Energy, ~3 m range
DETECTOR	High-resolution CMOS with AI-assisted image processing	Single-crystal direct-conversion silicon CMOS — no scintillator, no fiber-optic plate
SIZES	Size 1 and Size 2	Size 2
PROCESSING	Multiple pre-calibrated processing options	No manufacturer sharpening filters — detail is captured, not synthesized
EXPOSURE	Wide exposure latitude for consistent diagnostic images	0.08–1 s @ 65–70 kV, 2–10 mA
MTF (PUBLISHED)	—	>70% @ 5 lp/mm · >40% @ 10 lp/mm in FTG's published testing
BATTERY	Not applicable — USB-powered	150+ radiographs per charge · recharges in under 1 minute on the dock
DURABILITY	—	IP67-sealed body
POSITIONING	Standard sensor holders	360° — distal or mesial orientation with Zero Profile® holders
WARRANTY	—	2-year manufacturer warranty
FROM DENTAL TI	Installation, software integration, training & expert support	Installation, software integration, training & expert support

[CHOOSE THE IMAGEN WHEN]

- + Upfront budget is the deciding factor — wired is the lower entry price.
- + You need Size 1 for pediatric patients or smaller mouths alongside Size 2.
- + Imaging volume is moderate, so cord wear accumulates slowly.
- + You want simple setup with pre-calibrated processing that just works.

[CHOOSE THE DC-AIR™ WHEN]

- + You've replaced a corded sensor before and don't want to again.
- + Native image detail matters: direct conversion captures sharpness instead of synthesizing it.
- + High patient volume means the wireless premium pays for itself in avoided repairs.
- + Positioning flexibility helps your team — 360° orientation, Zero Profile® holders.

Plenty of practices run both: DC-Air™ where the volume is, Imagen where it isn't. Tell us your operatory count and imaging software and we'll recommend the reliable option, not the expensive one.

