

A DIFFERENT APPROACH TO WIRELESS DR.



Glass-free. 100 micron. IP68. SuperCap powered.

TI-BA takes a closer look at what makes the LUMEN HD different.



100 μ m

PIXEL PITCH

5 lp/mm

NYQUIST

IP68

PROTECTION

Wi-Fi 6E

WIRELESS

OUR TAKE

The headline isn't simply battery life. SuperCap changes how a department manages detector power: rapid opportunity charging, no conventional removable detector battery, fewer accessories to manage, and a power system designed for a much longer cycle life.

SUPERCAP AT A GLANCE

50,000

FULL CYCLES*

~30 MIN

0% TO 100%

~300

IMAGES / FULL CHARGE

~5 MIN

0% TO 25%

WHAT DOES THAT MEAN IN PRACTICE?

If the detector hits zero:

About 5 minutes of charging reaches 25% - enough for approximately 80 images.

For portable workflows:

Varex estimates about 10 hours for 95% of typical portable-use customers, depending on use and patient volume.

For continuous acquisition:

Approximately 50 minutes when consecutively acquiring images without an opportunity to recharge.

*50,000-cycle and >10-year lifecycle figures reflect Varex-supplied product guidance.

QUESTIONS WE EXPECT CUSTOMERS TO ASK

Straight answers from TI-BA, based on Varex specifications and product guidance.

How fast does it charge?

Approximately 30 minutes from 0% to full. More importantly, a short charge can be useful: about 5 minutes reaches 25%, which is approximately 80 images.

How many images can I get?

Approximately 300 consecutive images from a full charge.

Will it last through a portable shift?

Varex estimates approximately 10 hours for 95% of typical portable-use customers, depending on workflow and patient volume. This is not the same as continuous acquisition runtime.

Can the SuperCap be replaced?

Yes, through an RMA service process. It is embedded inside the detector's sealed housing rather than designed as an operator-swappable component.

Why is SuperCap better for asset management?

It eliminates the conventional removable detector battery and reduces the need to purchase, track, charge, maintain and replace battery inventory and dedicated charging accessories.

What is the expected SuperCap life?

Varex guidance states approximately 50,000 full charge/discharge cycles and more than 10 years of expected life under normal clinical cycling.

What is continuous acquisition runtime?

Approximately 50 minutes when images are acquired consecutively without recharging.

How is it warranted?

Varex guidance states the integrated SuperCap is covered with the detector for 5 years.

What stands out about the detector?

100 μ m pixel pitch, 5 lp/mm Nyquist frequency, Premium Csl, 16-bit ADC, IP68 protection, Wi-Fi 6E, and both wireless and tethered operation.

WHY TI-BA IS EXCITED ABOUT LUMEN HD

For customers evaluating long-term detector ROI, the value goes beyond image quality. SuperCap can simplify the entire power-management model while glass-free construction, IP68 protection and high-resolution imaging address the realities of everyday clinical use.

A SMARTER DETECTOR OWNERSHIP MODEL.

For more information and pricing please contact
TI-BA Enterprises, Inc.
25 Hytec Circle, Rochester NY 14606
Tel: (585) 247-1212
Email: sales@ti-ba.com
www.ti-ba.com