INTRODUCING

Triton with PixelSmart™

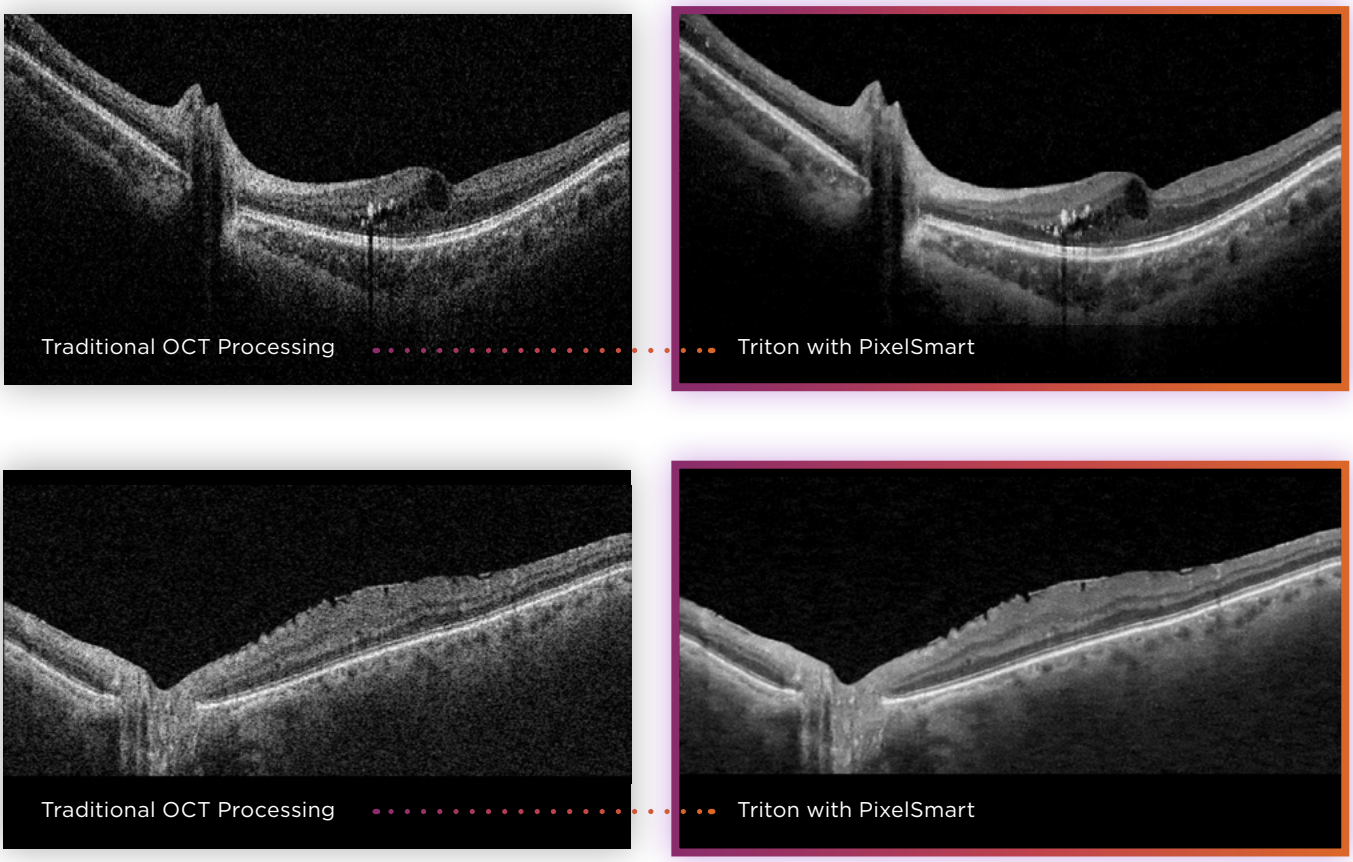
the Next Level in OCT Imaging

TOPCON Healthcare

SEEING EYE HEALTH DIFFERENTLY

Unprecedented Image Quality
for Precise Analysis

Swept Source Imaging Quality with Advanced PixelSmart Technology



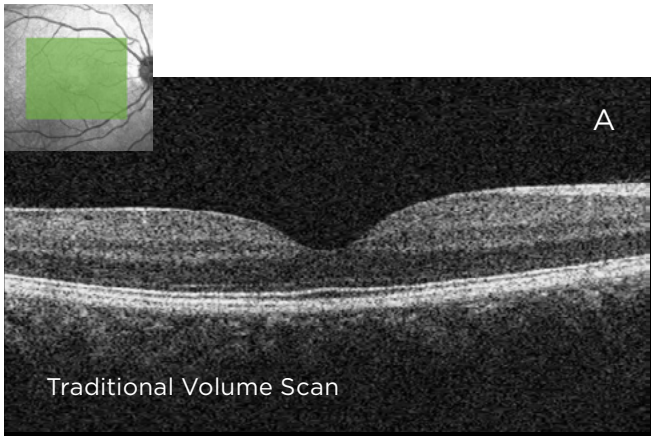
We designed the DRI OCT Triton as an extraordinary multimodal swept source OCT imaging tool, providing unprecedented image quality for precise analysis. PixelSmart technology—Topcon's new image processing algorithm available exclusively on Triton, pushes the boundaries of OCT imaging further by reducing speckle noise and improving contrast, giving doctors unsurpassed image quality.

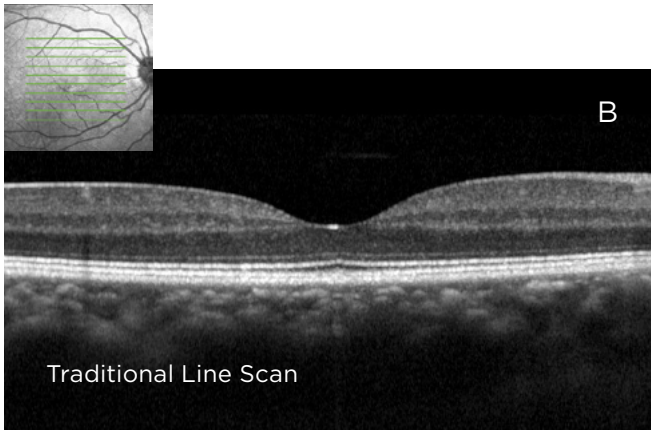
Confidently Assess the Retina
Without Compromise

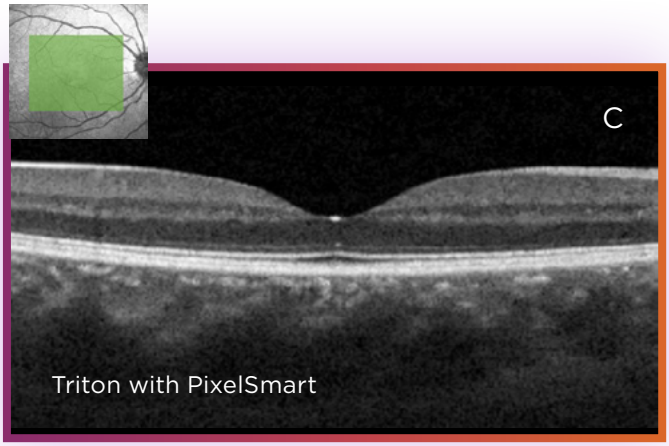
See What Others Cannot

Traditionally, OCT devices need to scan the same location multiple times and average the data to obtain B-scans with good image quality, which prolongs the scan time. As a result, users typically need to choose between volume scans with poor image quality (A) or line scans with poor retinal coverage (B).

PixelSmart takes advantage of Triton's patented high-density, swept source OCT data to generate rich, detailed images without sacrificing scan area or speed, allowing doctors to quickly and confidently assess the retina without compromise. PixelSmart achieves the clarity of averaged images throughout the entire volume scan (C).







Images A and B sourced from third party OCTs.
Image C sourced from Topcon clinical database.

Triton Multimodal Swept Source OCT + PixelSmart Technology

- Patented swept source OCT combined with multimodal true color, red-free, fundus autofluorescence (FAF), and fluorescein angiography (FA) imaging.
- Simple-to-use operation that captures and analyzes the entire posterior pole in one scan with superior image quality.
- Fast scanning speed of 100kHz A-scans/sec for fewer motion artifacts and workflow efficiency.
- 1,050nm swept source wavelength allows for high-quality scans and deeper penetration through dense cataracts, hemorrhages and other opacities.
- High-density 512 x 256 OCT scanning pattern captures twice as much OCT data as conventional 512 x 128 scanning patterns, significantly increasing the available data for diagnosis.

PixelSmart PC Specifications

IMAGEnet® 6 PC Minimum Specifications

PC	Dell® 5820 - Intel® Xeon® Processor W-2145 (3.70GHz) - RTX 4000
RAM	32GB
Storage	1TB 7200 rpm
GPU	NVIDIA® Quadro® RTX 4000 8GB, 3x DP + 1x Virtual Link, RT Cores, Tensor Cores (Installed on the Dell® Precision 5820)
Operating System	Microsoft® Windows® Server 2016 | Windows® 10 Pro for Workstations

Harmony™ Capture Station Gateway PC Recommended Specifications

Processor	4 Cores, Minimum 2.4GHz
RAM	8GB
GPU	NVIDIA® Quadro® RTX 4000
OS HDD	2x 160GB HDD (RAM)
Storage	2x 2TB (RAID 1)
Network	4x Ethernet Port
Operating System	Microsoft® Windows® Server 2016 | Windows® 10 Pro for Workstations

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