

Endo Optiks Introduces New High Resolution Endoscopes

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By Irv Arons

Endo Optiks has launched a new higher-resolution series of Micro-Endoscopes. The higher resolution is made possible by increasing the number of pixels available in the new series of endoscopes by 70%, from the current 10,000 pixels, to the new 17,000 pixel fiber optic bundle.

The new Micro-Endoscopes are designed to provide a better, sharper image and a wider field of view. “We designed the new High-Resolution scopes to help surgeons better visualize the anatomy of the eye,” said Martin Uram, MD, creator of the endoscope and co-founder of Endo Optiks. “Surgeons will find improved visualization when performing ECR (endoscopic cyclophotocoagulation), PRP(panretinal photocoagulation) and diagnostics.”

As each pixel represents a single point of a video image, the new High Resolution Series will greatly enhance the quality and detail of the image seen on the video screen. The new Micro-Endoscopes also expand the field of view to 160 degrees from the current 110 degrees, which allows surgeons to see more, and get a better view of difficult to reach areas of the eye.

The new High Resolution Endoscopes are available in two versions. The Triple Function Micro-Endoscope combines laser, light and imaging and has a 19 Gauge Probe. The Triple Function scopes will be available in both Straight and Curved Tips. The Dual Function Micro-Endoscopes combine light and imaging and have a 20 Gauge Probe. The Dual Function scopes have a straight tip only.

Source: Company News Release

For a brief history of endoscopy in ophthalmology and the founding of Endo Optiks, please see my [writeup of this release and an article written about ophthalmic endoscopy](#) taken from the October 15, 1992 issue of Ocular Surgery News.