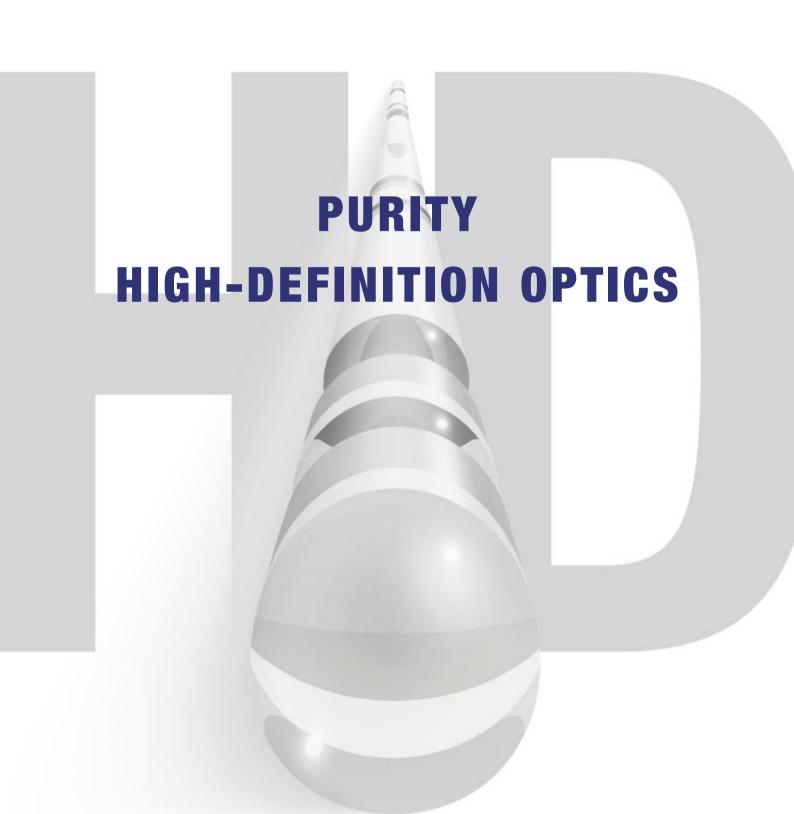


Your Vision, Our Future



# **HD LAPAROSCOPE:**





Olympus OTV-SP1 – the 3CCD camera system with progressive scan technology

# HIGH DEFINITION OPTICS – FOR A STRONG IMAGING CHAIN

A chain is as strong as the weakest link. The laparoscopic imaging chain ranges from the site of surgery to the image on the monitor. High definition imaging systems demand for a new type of laparoscope. The Olympus OTV-SP1 camera system with progressive scan technology sets a new standard in resolution and color reproduction. Using high-end camera systems with a

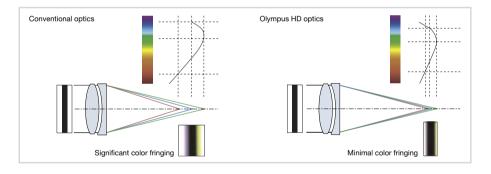
conventional laparoscope would thus create a decisive bottleneck at the first link of the imaging chain. With a new technological approach, Olympus developed a unique HD optical system that brings contrast and color reproduction to a new level of purity.



# OPTICS

# FOR BRILLIANT IMAGING

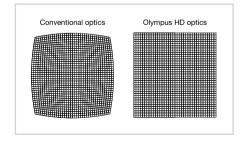






# **OPTICAL PERFECTION**

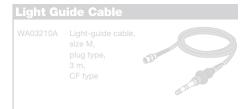
When you hold a prism to the sun, the white light is separated and rainbow colours are produced. The same effect occurs in a conventional laparoscope and makes the boundaries of a subject appear blurred – limiting resolution and contrast. The source of the so-called "color fringing" is chromatic aberration. For high-definition imaging the Olympus HD optical system reduces aberration to a minimum.



# **DISTORTION FREE**

The exclusive Olympus aspherical lenses ensure distortion-free imaging right into the corners.









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