OLYMPUS

Your Vision, Our Future

ENDOEYE

HD ENDOEYE

High definition digital videolaparoscope – resolutionary imaging.

HDTV TECHNOLOGY

HD ENDOEYE – Introducing HDTV to the O.R.

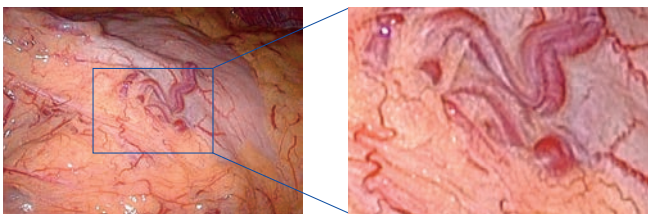
The new 1080i High Definition Television (HDTV) display standard used by Olympus for the EXERA II imaging platform and HD ENDOEYE brings a previously unachievable image quality to practical reality in the O.R. environment. With 1080 scanning lines, the image resolution is about twice as high as a conventional TV display. The increased pixel density produces a smooth clear image whose colour rendition and level of detail is as realistic as observation with the naked eye.

HD ENDOEYE can even work with the Olympus unique “Narrow Band Imaging” (NBI) technology which may be utilised to support diagnosis, e.g. of suspicious tissue.

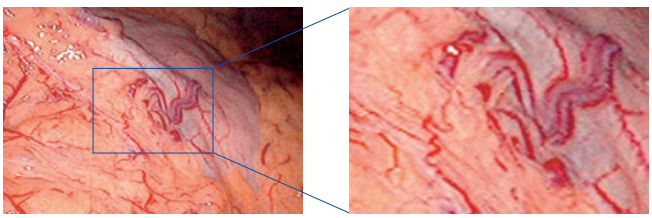
Improving procedural accuracy with HDTV imaging

In our quest for improving procedural accuracy, it was only natural that Olympus added 1080i HDTV compatibility to HD ENDOEYE’s impressive features.

HD ENDOEYE and the EXERA II imaging platform are working with more than double the number of scanning lines and horizontal pixels used in conventional video systems. The image is incredibly sharp and detailed with virtually no detectable pixelation or artefacts. HD ENDOEYE allows to display even the tiniest capillaries and delicate structures with life-like clarity. By improving procedural accuracy HD ENDOEYE and EXERA II will help to increase O.R. efficiency.



With 1080i HDTV life-like definition and clarity



With conventional PAL resolution pixelation effect

HD ENDOEYE – A unique concept

· Superior 1080i HDTV imaging with distally mounted H-CCD video chip
· Unrivalled O.R. efficiency with unique all-in-one concept for focus-free convenience, eliminating all interfering connections and coupler
· Superior cost efficiency with highly durable, fully autoclavable design
· Full control in the surgeon's hand with three programmable remote control buttons

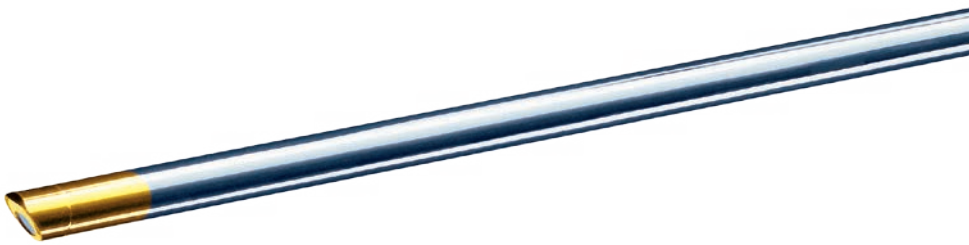
One for all – Universal Platform

EXERA II is the first video platform introducing 1080i HDTV to all fields of endoscopic imaging. Next to the application in the surgical O.R., EVIS EXERA II is fully compatible to Olympus upper and lower tract GI endoscopes allowing for O.R. standardization and new procedures. In addition to HDTV imaging, unique features include e.g. "Narrow Band Imaging" (NBI) for the precise display and diagnosis of hidden tissue structures in suspicious lesions, e.g. in the mucosa.

High resolution, high efficiency, high durability

Introducing 1080i HDTV to the demanding Surgeon
As the leader in endoscopic innovation, Olympus is committed to providing surgeons with the most advanced tools that inspire confidence and facilitate challenging procedures. The revolutionary HD ENDOEYE videolaparoscope range combines with the EXERA II imaging platform to introduce 1080i HDTV detail to laparoscopic surgery and sets a new standard of performance in the O.R.

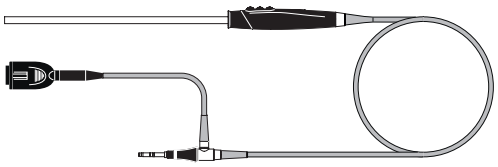
The specially designed distally mounted 1080i compatible image sensor, the H-CCD, delivers images of a clarity and resolution that enable even the tiniest detail to be seen. In addition, HD ENDOEYE brings the further benefits of reliability, consistency and efficiency through its unique all-in-one focus free design and light ergonomic construction.



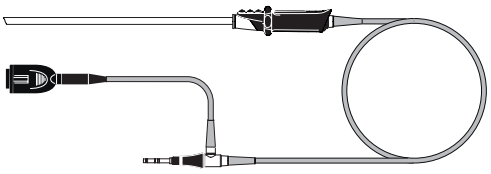
10 MM HD ENDOEYE

10 mm HD ENDOEYE

WA50010A Video telescope “HD ENDOEYE”
10 mm, 325 mm working length,
autoclavable, 0° direction of view



WA50012A Video telescope “HD ENDOEYE”,
10 mm, 325 mm working length,
autoclavable, 30° direction of view



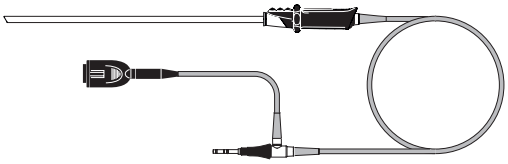
Video telescopes WA50010A/-12A are delivered with instrument tray WA59380A.

Long 10 mm HD ENDOEYE,

Video telescope “HD ENDOEYE”
10 mm, 390 mm working length,
autoclavable,

WA50012L 30° direction of view

WA50014L 45° direction of view



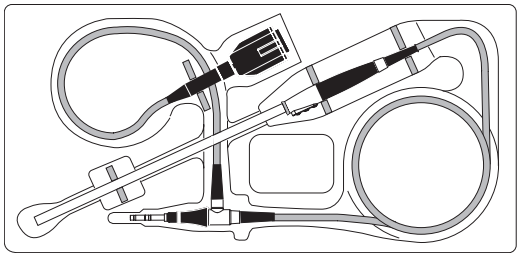
Video telescopes WA50012L/-14L are delivered with instrument tray WA59381A.

Technical data

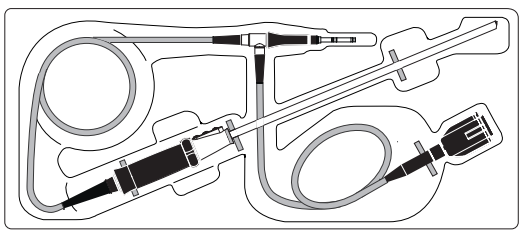
Working length	WA50010A/-12A	325 mm
	WA50012L/-14L	390 mm
Diamètre extérieur	WA50010A/-12A	10.0 mm
	WA50012L/-14L	10.0 mm
Connecting cable length		296 cm

Instrument trays

WA05955A Instrument tray
for video laparoscopes WA50010A/-12A,
outer dimensions: 595 x 61 x 295 mm

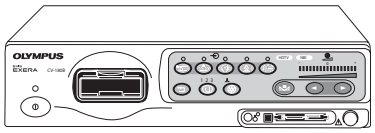


WA59381A Instrument tray
for video laparoscopes WA50012L/-14L,
outer dimensions: 690 x 60 x 295 mm

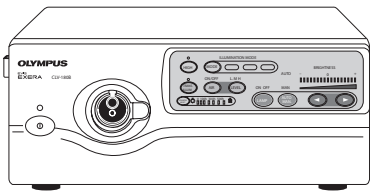


EVIS EXERA II Video System

Processor “CV-180”



Light source “CLV-180”



E049XXXX · 0.000 · 03/13 · PR

OLYMPUS

OLYMPUS EUROPA HOLDING GMBH
Postbox 10 49 08, 20034 Hamburg, Germany
Wendenstrasse 14–18, 20097 Hamburg, Germany
Phone: +49 (0)40 237 730, Fax: +49 (0)40 230 761
www.olympus-europa.com