An Ideal Solution For Smooth Biliary Tract Surgery
Now You Can See *Exactly* What You're Doing

With its new ultra-slim design and high-resolution imaging, the new CHF TYPE CB30 not only makes insertion easier, it affords the clearest, brightest field of view ever. Able to vividly reproduce even the subtlest variations in site detail, this sophisticated new scope lets you see exactly what you're doing — making diagnosis and treatment of biliary tract diseases easier. Minimized patient trauma and maximized performance make the CHF TYPE CB30 today's clear choice for biliary tract treatment and retrieval of biliary calculus.
CB30 CB20

Much Brighter Endoscopic Image
The CB30 provides a view about 1.8 times brighter than that of the conventional CB20. When connected to the OLYMPUS VISERA Video System and the CLV-S40 VISERA Xenon Light Source, the CB30 transmits a bright, clear, high-resolution image that delineates the site in superlative detail.

New Insertion Section
Slimmer, more durable and with higher resolution capability, the CHF TYPE CB30 has everything it takes to greatly enhance your surgical procedures.

Half a Millimeter Slimmer
The diameter of the CB30's insertion section has been reduced by half a millimeter – from ø3.3 mm (CB20) to ø2.8 mm.

Large Working Channel
Despite the narrow diameter of the insertion section, the CHF TYPE CB30's large working channel (1.2 mm) makes the most of distention and utilization of 3 Fr. instruments, allowing a wider range of operational methods.

Wide Angulation Range
The wide angulation range (Up 120°/Down 120°), which is easily controlled with one hand, maximizes the scope's manipulation and visualization capabilities. Also, its single bending section simplifies and facilitates insertion into the common ducts.

5mm O.D. Grasping Forceps (T1079)
With its spring handle and protective cap for the tip's hook, you can control the scope freely. It is autoclavable, for easy sterilization and disinfection, and thanks to its small diameter, ø5mm trocars can be easily utilized.

OLYMPUS
CHF TYPE CB30 L/S
Olympus offers an ideal solution for smooth biliary tract surgery, incorporating all essential features in a delicate but durable scope.
The CHF TYPE CB30 promises great performance for biliary tract diseases.
VISERA Video System
The VISERA Video System includes high-resolution videoscopes and autoclavable camera heads/ videolaparoscopes, and can be used for all endoscopic procedures, whether in the office or operating room. Still/moving image recording is digital, making application and management of recorded images smoother than ever.

### Specifications

<table>
<thead>
<tr>
<th>Field</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Field of view</td>
<td>75°</td>
</tr>
<tr>
<td>Direction of view</td>
<td>Direct view</td>
</tr>
<tr>
<td>Depth of field</td>
<td>2.5 - 50 mm</td>
</tr>
<tr>
<td>Illumination</td>
<td>Light guide system</td>
</tr>
<tr>
<td>Minimum visible distance</td>
<td>1 mm</td>
</tr>
<tr>
<td>Distal end</td>
<td>Outer diameter: 2.7 mm</td>
</tr>
<tr>
<td>Bending section</td>
<td>Range of tip bending: Up 120° / Down 120°</td>
</tr>
<tr>
<td>Inlet tube</td>
<td>Outer diameter: 2.8 mm</td>
</tr>
<tr>
<td>Length</td>
<td>Working length: 700 mm (L) 450 mm (S)</td>
</tr>
<tr>
<td></td>
<td>Total length: 1,010 mm (L) 760 mm (S)</td>
</tr>
<tr>
<td>Instrument channel</td>
<td>Inner diameter: 1.2 mm</td>
</tr>
</tbody>
</table>

### Standard Set

- **Endoscope (CHF-VX30) .............. 1pc.**
- **Channel Cleaning Brush (BW-7B) ......... 1pc.**
- **Channel Cleaning Brush (MH-l5SH) ........ 1pc.**
- **Channel-Opening Cleaning Brush (MH-507) ...... 1pc.**
- **Biopsy Valve (MAJ-579) ...................... 10pcs.**
- **ETO Cap (MB-156) ...................... 10pc.**
- **5mm O.D. Grasping Forceps (T1079) ...... 10pc.**

Specifications, design and accessories are subject to change without any notice or obligation on the part of the manufacturer.