TJF-Q190V Duodenoscope
Supporting Your Standard of Care
**Main Features**

**Improved Cannulation Efficiency**
Square image shape and 15° backward viewing allow for expanded field of view and better view direction, improving cannulation efficiency.

**Reliable Guidewire Locking**
Facilitates fast and secure short guidewire locking with dual system at the distal end.

**High Force Transmission**
Enables a 1:1 transfer of pushing and rotating forces to the distal end of the duodenoscope, improving ergonomics and scope responsiveness.

**NBI (Narrow Band Imaging)**
NBI with TJF-Q190V is significantly brighter and provides contrast, which may aid in the interpretation of mucosal and vascular patterns of the papilla.

**Single-Use Distal Cover**
The MAJ-2315 single-use distal cover allows better access for reprocessing accessories during manual cleaning. The cover is transparent and is destroyed during removal, preventing unintended reuse.

**Distal End Flushing Adapter**
The new MAJ-2319 flushing adapter reduces the number of required flushing steps and ensures controlled distribution of detergent and disinfectant solution to the distal tip of the endoscope during manual reprocessing.

**Waterproof One-Touch Connector**
A new connector design reduces the effort required for setup prior to and in between cases. In addition, it is fully submersible, eliminating the need for a water-resistant cap and the associated risk of expensive repairs due to accidental immersion.

**Specifications**

<table>
<thead>
<tr>
<th>Field of view</th>
<th>100°</th>
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<tbody>
<tr>
<td>Depth of field</td>
<td>5.0 – 60 mm</td>
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<tr>
<td>Distal end outer diameter</td>
<td>13.5 mm</td>
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<tr>
<td>Distal end enlarged</td>
<td></td>
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<tr>
<td>Insertion tube outer diameter</td>
<td>11.3 mm</td>
</tr>
<tr>
<td>Working length</td>
<td>1,240 mm</td>
</tr>
<tr>
<td>Channel inner diameter</td>
<td>4.2 mm</td>
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<tr>
<td>Minimum visible distance</td>
<td>10 mm from the distal end</td>
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**Compatible Systems**
- EVIS EXERA
- OLYMPUS CV-190 video system center
- OLYMPUS CLV-190 xenon light source

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