General-purpose - Telescopic Mast System (5 m and above)

Accurate and stable position control in high locations. Space-saving system configuration.

Y2508E / Y2608E / Y2610F / Y2710E / Y2710D / Y2712E / Y2712D

Optimal for the wireless devices and transmission equipment that require stable operation in high places.

The highly durable mast achieves superior vibration and wind resistance, making it optimal for the wireless devices, transmission equipment, weather cameras that require stable operation in high places.

The hydraulic system enables quiet and smooth lifting and lowering, achieving accurate position control in high places.

The inner rod design enables a lightweight, space-saving system.

Even in masts with a longer maximum extension, the inner rod design (see p. 02) enables a lightweight, space-saving system.

Does not require much space on compact vehicles or vehicles carrying a lot of other equipment.

The inner rod design uses a low amount of hydraulic fluid and uses a space-saving hydraulic tank.

Does not require much space on compact vehicles or vehicles carrying a lot of other equipment.

---

Model naming convention

YT (1) (2) (3) (4)

- (1) For broadcast vans/general-purpose ID No.
- (2) Stage No. indication
- (3) Extension height indication
- (4) Base pipe symbol

Broadcast van mast: 1; general-purpose mast: 2

Stage stages (movable parts)

Extension height (unit: meters, rounded to nearest cm)

Outer diameter: E=φ150 J=φ97 K=φ86.4 (mm)

---

Model specifications (5 m and below) (See figure to the right)

<table>
<thead>
<tr>
<th>Model</th>
<th>A: Max. extension length (mm)</th>
<th>A: Min. contraction length (mm)</th>
<th>B: Max. length (mm)</th>
<th>B: Min. length (mm)</th>
<th>φC: Mast top outer diameter (mm)</th>
<th>φD: Mast bottom outer diameter (mm)</th>
<th>Max. load weight (kg)</th>
<th>Mast unit weight (kg)</th>
<th>Wind-receiving surface (m²)</th>
<th>Survival wind speed (m/s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>YT2103K</td>
<td>3,766</td>
<td>1,544</td>
<td>1,340</td>
<td>945</td>
<td>φ78</td>
<td>φ86.4</td>
<td>30</td>
<td>16</td>
<td>0.55</td>
<td>23</td>
</tr>
<tr>
<td>YT2204K</td>
<td>3,989</td>
<td>1,561</td>
<td>1,361</td>
<td>965</td>
<td>φ85</td>
<td>φ86.4</td>
<td>30</td>
<td>21</td>
<td>0.55</td>
<td>19</td>
</tr>
<tr>
<td>YT2304J</td>
<td>4,237</td>
<td>1,352</td>
<td>1,065</td>
<td>762</td>
<td>φ85</td>
<td>φ97</td>
<td>50</td>
<td>25</td>
<td>0.55</td>
<td>22</td>
</tr>
<tr>
<td>YT2305J</td>
<td>5,061</td>
<td>1,558</td>
<td>1,271</td>
<td>900</td>
<td>φ85</td>
<td>φ97</td>
<td>50</td>
<td>26.5</td>
<td>0.55</td>
<td>20</td>
</tr>
<tr>
<td>YT2306E</td>
<td>5,074</td>
<td>1,618</td>
<td>1,326</td>
<td>936</td>
<td>φ108</td>
<td>φ150</td>
<td>60</td>
<td>50</td>
<td>0.55</td>
<td>37</td>
</tr>
</tbody>
</table>

*Specifications and performance are subject to change without notice. *Indicates mast weight when dry. *Wind-receiving surface: Surface area of the object mounted on top of the mast that is affected by wind. *Survival wind speed: Do not use during wind speeds (m/s) above those indicated in the table.
System configuration

Hydraulic power unit
Hydraulic power unit that lifts and lowers the mast. Uses an inner rod system (see p. 02) that has a low hydraulic fluid volume, enabling a compact system that requires little space.

Hydraulic pipe

Electric cable

General-Purpose Telescopic Mast (5 m and below)

Mast remote controller
Simple remote controller for lifting and lowering the mast. One-touch control for simple mast operation.

Mast remote controller

A jack cylinder can be attached to stabilize the vehicle. See p. 06 for the system configuration when attaching a jack cylinder.

Indoor radio wave measuring (broadcast stations) - Using YT2204K

Equipment plants (camera installations inside plant) - Using YT2204K

Camera mounting (expressway management companies) - Using YT2305J

*System configuration diagram images may differ from actual product. *Optional configurations such as the addition of a power switch are available for the remote controller.

*Optional configurations not listed here, such as the addition of a remote control cable relay are also available. *Optional system also available for telescopic mast. Contact us for details.

We offer a wide variety of installation fixtures, connectors, and amounts based on your intended usage conditions. Feel free to consult with us regarding your specific needs.

Usage example

Mobile crime prevention camera vehicles (Metropolitan Police Department) - Using YT2305E

Large-scale floodlights (National Police Agency) - Using YT2305E

LED floodlights (Fire Defense Agency) - Using YT2103K

Camera mounting (expressway management companies) - Using YT2305J

Mobile crime prevention camera vehicles (Metropolitan Police Department) - Using YT2305E

Large-scale floodlights (National Police Agency) - Using YT2305E

LED floodlights (Fire Defense Agency) - Using YT2103K

Hydraulic power unit

Hydraulic power unit that lifts and lowers the mast. Uses an inner rod system (see p. 02) that has a low hydraulic fluid volume, enabling a compact system that requires little space.

Hydraulic pipe

Electric cable

General-Purpose Telescopic Mast (5 m and below)

Mast remote controller
Simple remote controller for lifting and lowering the mast. One-touch control for simple mast operation.

Mast remote controller

A jack cylinder can be attached to stabilize the vehicle. See p. 06 for the system configuration when attaching a jack cylinder.

Indoor radio wave measuring (broadcast stations) - Using YT2204K

Equipment plants (camera installations inside plant) - Using YT2204K

Camera mounting (expressway management companies) - Using YT2305J

*System configuration diagram images may differ from actual product. *Optional configurations such as the addition of a power switch are available for the remote controller.

*Optional configurations not listed here, such as the addition of a remote control cable relay are also available. *Optional system also available for telescopic mast. Contact us for details.

We offer a wide variety of installation fixtures, connectors, and amounts based on your intended usage conditions. Feel free to consult with us regarding your specific needs.

WWW.HILOMAST.COM

Hilomast LLC, 402 Chairman Court, Debary FL32713 USA

Tel: +1 (386) 668-6784 - Fax: +1 (386) 668-6794 - Email: sales@hilomast.com
Radio Wave Measurement - Telescopic Mast System

A maximum height of 9.2 m (10 m when mounted on vehicle) with a product weight of only 35 kg. Y3509H

Enables stable operation of radio wave measurement equipment and accurate position control.
The highly durable mast is strong against wind and enables the stable operation of radio wave measurement equipment. A remote controller for lifting and lowering the mast features a digital height display that is accurate to the tolerance within 10cm for accurate position control.

The quiet design also makes the mast usable even at night.
Mast extension and contraction are controlled via a hydraulic power unit, achieving quiet operation that makes the mast usable even at night. When still, the mast is silent and requires no electricity, which means energy savings.

A narrow outer diameter and inner rod design enables a lightweight, space-saving system.
A narrow outer diameter achieved by a highly durable structure and an inner rod system (see p. 02) to reduce hydraulic fluid volume to a minimum. Not only do we achieve a lightweight mast, we achieve overall system weight reductions and space saving.

Radio wave measurement telescopic mast specifications

<table>
<thead>
<tr>
<th>Model</th>
<th>A: Max. extension length (mm)</th>
<th>A: Min. contraction length (mm)</th>
<th>B: Max. length (mm)</th>
<th>B: Min. length (mm)</th>
<th>φC: Mast top outer diameter (mm)</th>
<th>φD: Mast bottom outer diameter (mm)</th>
<th>Max. load weight (kg)</th>
<th>Mast unit weight (kg)</th>
<th>Wind-receiving surface (m²)</th>
<th>Survival wind speed (m/s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Y3509H</td>
<td>9,217</td>
<td>1,975</td>
<td>1,637</td>
<td>1,144</td>
<td>15</td>
<td>110</td>
<td>15</td>
<td>25</td>
<td>0.30</td>
<td>20</td>
</tr>
</tbody>
</table>

*Specifications and performance are subject to change without notice. *Indicates mast weight when dry. *Wind-receiving surface: Surface area of the object mounted on top of the mast that is affected by wind. *Survival wind speed: Do not use during wind speeds (m/s) above those indicated in the table.