



NEW

Q-series HD

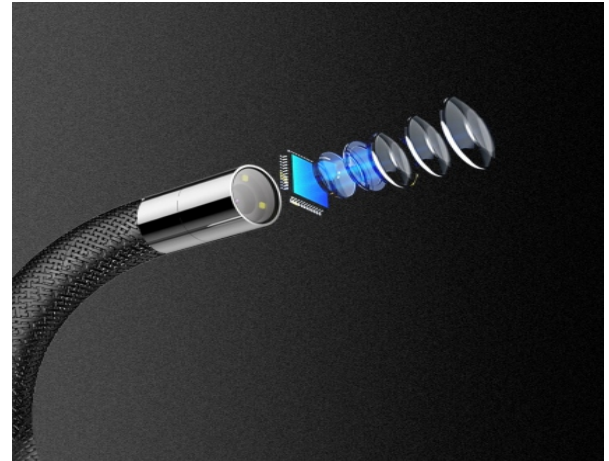
Portable Industrial Borescope

High definition, intelligent, convenient ——Q Series, adopting the latest digital high-definition image processing technology, with mega pixels and a 5.5-inch OLED big screen, to ensure clearer images. Even in strong sunlight, subtle defects can also be detected. In addition, this product adopts mechanical 360° rocker technology and replaceable insertion tube structure, with multiple camera options such as [2.2mm](#), [2.8mm](#), [3.9mm](#), [6mm](#) forward or dual or interchangeable cameras. Users can choose any according to their needs. One base unit with multiple insertion tube options, customers can get the best combination at the best price to meet the needs of a variety of working conditions.

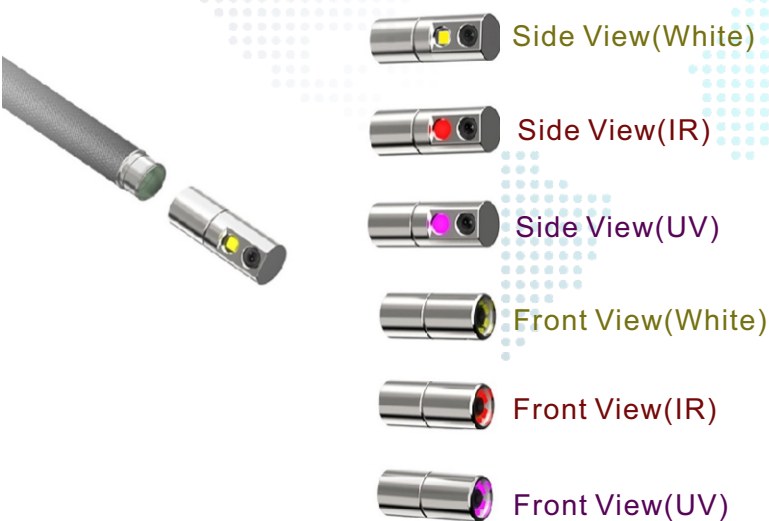




⑤ 5.5-inch OLED touch screen, wider viewing angle, clearer display and more realistic color reproduction; Even in strong sunlight, subtle defects can also be detected.



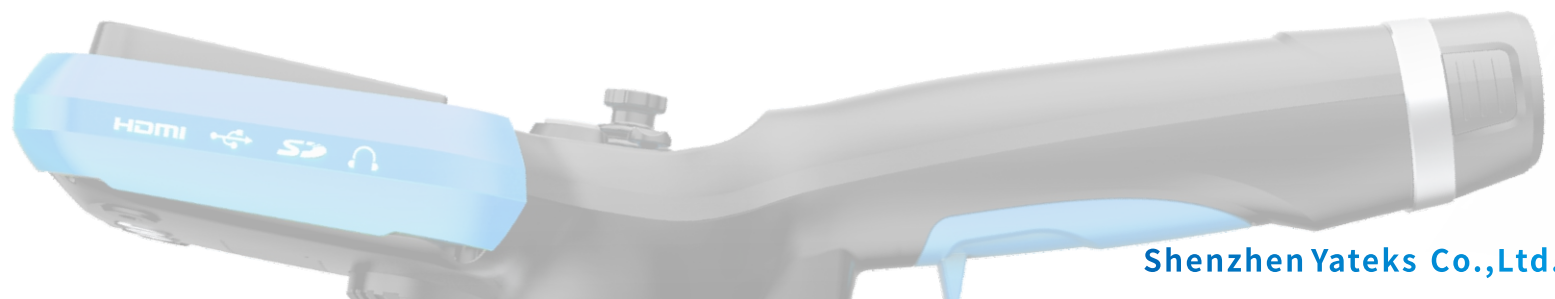
⑤ High-definition megapixels, new digital high-definition image processing technology, ultra-clear images



⑤ Interchangeable camera -forward, side view camera with white or UV light.

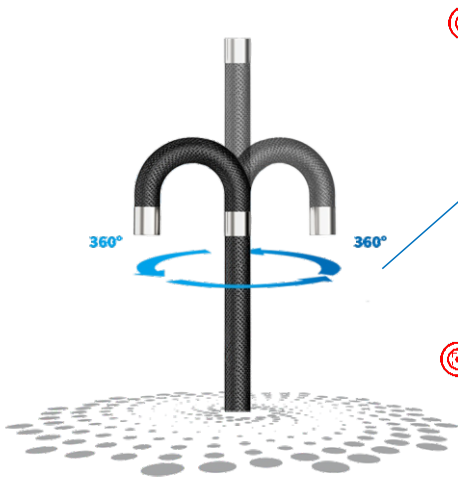


⑤ Replaceable insertion tube - tubes with different diameter & length & specs can be replaced to meet different onsite applications.





① Stand structure -stand structure design, for long-term use, it can support the borescope on a platform; otherwise, magnetic stand is also optional. In special case, the instrument can be attached to metal surface for convenience of inspection.



② Flexible articulation -mechanical 360° steering function,

③ one-way bending can be up to 220°



④ Unique dual-light compensation and navigation function

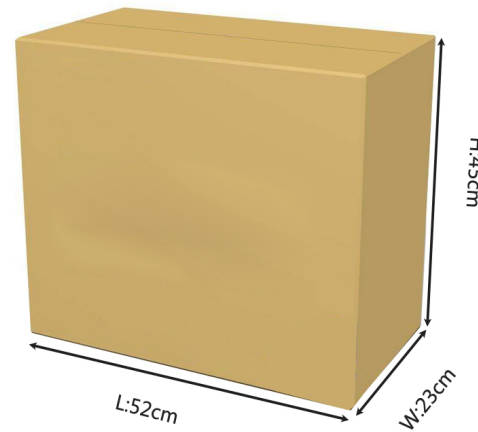


⑤ Probe of IP67 rating, can be deep to 1 meter under water.



Multi-display function -image can be simultaneously displayed on borescope, smartphone and TV with wire or without wire, convenient to be shared with multiple people.

## Carrying Case:



Net Weight: 7 kg  
Volume Weight: 9kg

## Application:

Power generation/ Automotive technology and transportation / Process industry / Aviation



## Q Series Portable Industrial Borescope

| Q Series Portable Industrial Borescope |                                   |   |
|--|-----------------------------------|---|
| <b>System</b>                          | Product Dimension                 | 345*157*185   |
|  | Weight                            | 950g  |
|  | Display screen                    | 5.5"OLED touch screen   |
|  | Screen resolution                 | 1920*1080   |
|  | Image direction                   | Rotate 180°, Mirror   |
|  | Zooming in                        | 10 levels, 2.5 times  |
|  | Image color                       | Color or Negative   |
|  | White Balance                     | Auto and Manual   |
|  | Joystick control                  | Mechanical rocker for 360°rotation  |
|  | Automatic locking                 | Automatic probe locking   |
|  | Functions                         | Photo/video recording, brightness control, locking                                  |
|  | Audio                             | Support earphone connection   |
|  | Memory                            | 32G   |
|  | Data I/O port                     | SD card port, HDMI video port, Type C charging port, USB port, software update port |
|  | Battery                           | Two 18650 Lithium battery (Rechargeable)  |
|  | Standby time                      | 4h  |
|  | Operation Mode                    | Handheld portable   |
|  | Brightness control                | 10 degrees brightness adjustment  |
|  | External light on host            | White light, 365nm UV light   |
|  | Controlling Mode                  | Two multi-function mini joysticks   |
| <b>Insertion tube</b>                  | Insertion tube material           | Tungsten-braided insertion tube   |
|  | Camera articulation               | 0°to 180°   |
|  | Bending angle                     | 0° to180°   |
|  | Effective pixels                  | 45k to megapixels   |
|  | Depth of Field(mm)                | See model no. list.   |
|  | Angle of view                     | See model no. list.   |
| <b>Software</b>                        | Front probe                       | Replaceable probe, one mainbody can match multiple probes.                          |
|  | Operation system                  | Real-time multitasking operating system   |
|  | User interface                    | Pop-up drive operation, menu navigation   |
|  | File management                   | Support photo or video playback, delete, format                                     |
|  | Image Editing                     | Zoom in, playback, editing, graffiti, renaming etc.                                 |
|  | Photo format                      | BMP, PNG, JPG   |
|  | Video format                      | AVI, MP4  |
|  | Language                          | En, CN, Kr, De, RU, JP  |
|  | Color settings                    | Adjustable color specifications   |
|  | Exposure                          | Adjustable exposure time  |
| <b>Operating environment</b>           | Measurement                       | 2D comparison measurement   |
|  | Software update                   | Upgrade by SD card service pack   |
|  | Monitor/Probe working temperature | Monitor: -20~50°<br>Probe: -20°~70°   |
|  | Relative humidity                 | 95%   |

| Model No. List for Q Series |               |                 |               |            |                          |                     |                |               |                  |            |         |
|-----------------------------|---------------|-----------------|---------------|------------|--------------------------|---------------------|----------------|---------------|------------------|------------|---------|
| Yateks Model No.            | Diameter [mm] | Tube Length [m] | Probe Bending | Resolution | Camera Location          | Headcan length [mm] | Optic          |               | Light            |            |         |
|                             |               |                 |               |            |                          |                     | Depth of Field | Angle of View | Illumination Way | Light type | [Lux]   |
| Q210FN-WL-PM                | 2.2±0.1       | 1               | 130±10°       | 400x400    | Forward                  | 5 ± 0.5             | 3 - 50mm       | 120°          | Distal LED       | White      | 8,000   |
| Q215FN-WL-PM                |               | 1.5             | 120±10°       |            |                          |                     |                |               |                  |            |         |
| Q220FN-WL-PM                |               | 2               | 100±10°       |            |                          |                     |                |               |                  |            |         |
|                             |               |                 |               |            |                          |                     |                |               |                  |            |         |
| Yateks Model No.            | Diameter [mm] | Tube Length [m] | Probe bending | Resolution | Camera location          | Headcan length [mm] | Optic          |               | Light            |            |         |
|                             |               |                 |               |            |                          |                     | Depth of Field | Angle of View | Illumination Way | Light type | [Lux]   |
| Q310FN-WL-PA                | 2.8±0.1       | 1               | 130±10°       | 400x400    | Forward                  | 4 ± 0.5             | 3 - 50mm       | 120°          | Distal LED       | White      | 8,000   |
| Q315FN-WL-PA                |               | 1.5             | 120±10°       |            |                          |                     |                |               |                  |            |         |
| Q320FN-WL-PA                |               | 2               | 110±10°       |            |                          |                     |                |               |                  |            |         |
|                             |               |                 |               |            |                          |                     |                |               |                  |            |         |
| Yateks Model No.            | Diameter [mm] | Tube Length [m] | Probe bending | Resolution | Camera location          | Headcan length [mm] | Optic          |               | Light            |            |         |
|                             |               |                 |               |            |                          |                     | Depth of Field | Angle of View | Illumination Way | Light type | [Lux]   |
| Q410FM-WF-TC                | 4.0±0.1       | 1               | 170±10°       | 1280x720   | Forward                  | 14 ±0.2             | 8-150mm        | 110°          | Fiber + LED      | White      | 50,000  |
| Q415FM-WF-TC                |               | 1.5             | 170±10°       |            |                          |                     |                |               |                  |            |         |
| Q420FM-WF-TC                |               | 2               | 150±10°       |            |                          |                     |                |               |                  |            |         |
| Q430FM-WF-TC                |               | 3               | 120±10°       |            |                          |                     |                |               |                  |            |         |
| Q410FF-WF-WR                | 4.0±0.1       | 1               | 170±10°       | 1280x720   | Forward                  | 13.5 ±1             | 50-∞mm         | 80°           | Fiber + LED      | White      | 50,000  |
| Q415FF-WF-WR                |               | 1.5             | 170±10°       |            |                          |                     |                |               |                  |            |         |
| Q420FF-WF-WR                |               | 2               | 150±10°       |            |                          |                     |                |               |                  |            |         |
| Q430FF-WF-WR                |               | 3               | 120±10°       |            |                          |                     |                |               |                  |            |         |
| Q410FM-WL-JH                | 4.0±0.1       | 1               | 170±10°       | 1280x720   | Forward                  | 8±0.2               | 7-80mm         | 110°          | Distal LED       | White      | 10,000  |
| Q415FM-WL-JH                |               | 1.5             | 170±10°       |            |                          |                     |                |               |                  |            |         |
| Q420FM-WL-JH                |               | 2               | 150±10°       |            |                          |                     |                |               |                  |            |         |
| Q430FM-WL-JH                |               | 3               | 120±10°       |            |                          |                     |                |               |                  |            |         |
|                             |               |                 |               |            |                          |                     |                |               |                  |            |         |
| Yateks Model No.            | Diameter [mm] | Tube Length [m] | Probe bending | Resolution | Camera location          | Headcan length [mm] | Optic          |               | Light            |            |         |
|                             |               |                 |               |            |                          |                     | Depth of Field | Angle of View | Illumination Way | Light type | [Lux]   |
| Q610FM-WF-TE                | 6.0±0.1       | 1               | 170±10°       | 1280x720   | Forward                  | 12 ± 0.2            | 8-150mm        | 110°          | Fiber + LED      | White      | 100,000 |
| Q615FM-WF-TE                |               | 1.5             | 170±10°       |            |                          |                     |                |               |                  |            |         |
| Q620FM-WF-TE                |               | 2               | 150±10°       |            |                          |                     |                |               |                  |            |         |
| Q630FM-WF-TE                |               | 3               | 120±10°       |            |                          |                     |                |               |                  |            |         |
| Q610FF-WF-WR                | 6.0±0.1       | 1               | 170±10°       | 1280x720   | Forward                  | 14.2 ± 0.2          | 50-∞mm         | 80°           | Fiber + LED      | White      | 70,000  |
| Q615FF-WF-WR                |               | 1.5             | 170±10°       |            |                          |                     |                |               |                  |            |         |
| Q620FF-WF-WR                |               | 2               | 150±10°       |            |                          |                     |                |               |                  |            |         |
| Q630FF-WF-WR                |               | 3               | 120±10°       |            |                          |                     |                |               |                  |            |         |
|                             |               |                 |               |            |                          |                     |                |               |                  |            |         |
| Q610FM-WL-PF                | 6.0±0.1       | 1               | 170±10°       | 640x480    | Forward, interchangeable | 15 ±0.2             | 7 - 80mm       | 120°          | Distal LED       | White      | 15,000  |
| Q615FM-WL-PF                |               | 1.5             | 170±10°       |            |                          |                     |                |               |                  |            |         |
| Q620FM-WL-PF                |               | 2               | 150±10°       |            |                          |                     |                |               |                  |            |         |
| Q630FM-WL-PF                |               | 3               | 120±10°       |            |                          |                     |                |               |                  |            |         |
| Q610SM-WL-PF                | 6.0±0.1       | 1               | 170±10°       | 640x480    | Side, interchangeable    | 16.8 ±0.2           | 7 - 80mm       | 90°           | Distal LED       | White      | 20,000  |
| Q615SM-WL-PF                |               | 1.5             | 170±10°       |            |                          |                     |                |               |                  |            |         |
| Q620SM-WL-PF                |               | 2               | 150±10°       |            |                          |                     |                |               |                  |            |         |
| Q630SM-WL-PF                |               | 3               | 120±10°       |            |                          |                     |                |               |                  |            |         |

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