

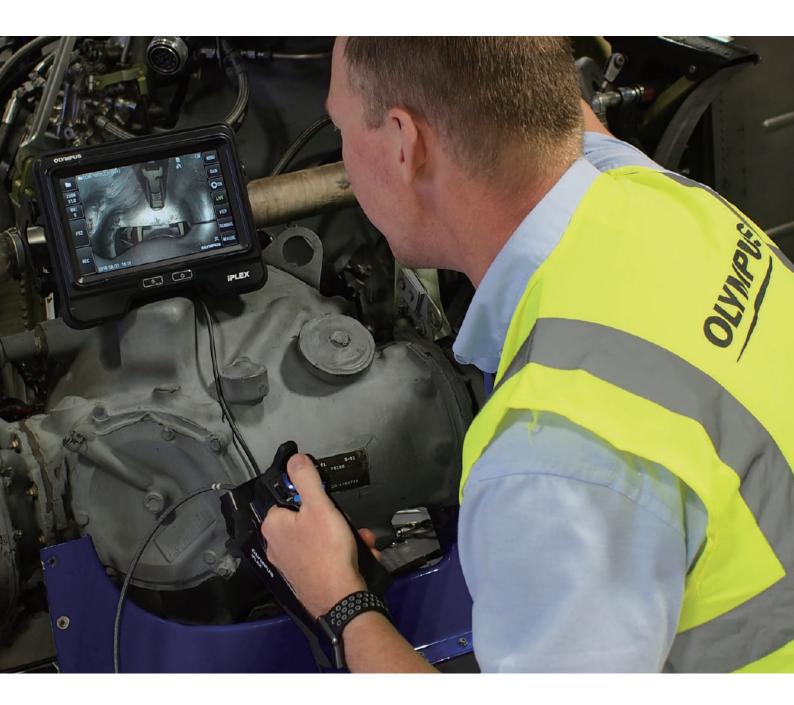
IPLEX GX/GT iPLEX

The Right Tool for the Job



Versatility and Power for Multiple Jobs

With interchangeable insertion tubes and light sources, an 8 inch touch screen, and advanced imaging features, the IPLEX GX/GT videoscope delivers an optimal balance of versatility, imaging capabilities, and ease of use.



Get the Most Out of Your Videoscope

Powerful Features at Your Fingertips

- Easy-to-use touch screen and hot key controls
- Position the screen where it's comfortable for you
- Bright and clear images with smart video

One Tool for Many Jobs

- Change between white, ultraviolet, and infrared light sources
- Interchangeable scopes in a variety of diameters and lengths
- Tough enough to work in harsh environments





Powerful Features at Your Fingertips



Innovative Imaging Improves Inspections

Bright Illumination

The LED light source of IPLEX GX/GT is 30% brighter than its predecessor (IPLEX RX/RT).

Crisp images

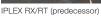
The videoscope uses a new noise reduction algorithm to make it easier to locate problems and defects in dark areas.

Smooth 60 fps video

Capture smooth videos with the videoscope's high frame rate. If you are recording a moving object, you can obtain clear videos with no stutter.

Bright and Crisp images







IPLEX GX/GT

Smooth 60 fps video



IPLEX RX/RT (predecessor)



IPLEX GX/GT





Convenient Controls

The large monitor leaves plenty of room to display both your inspection image and quick control buttons. Most functions can be controlled using the touch screen, including the articulation. If you want to use the full screen to view images, the hot keys on the controller give you control over the most important functions.

Smart Video Recording

Record still images and video simultaneously

With the push of a button, you can capture still images while recording a video without interruption.

Bookmark

Add bookmarks to save time and quickly find critical moments during video reviews.



Constant video*

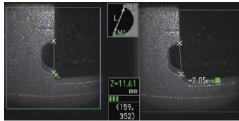
Never lose critical inspection recordings.

The videoscope automatically records the last
30 minutes of your inspection even if you forget
to press the record button.

*Available only with IPLEX GX and requires optional microSDHC card

Powerful Measurement at Your Fingertips

The videoscope is equipped with scalar measurement as a standard feature, enabling you to size objects using a reference defect. For more advanced functionality, upgrade to the stereo measurement option to size objects using precise three-dimensional coordinates.



Distance





Depth

One Tool for Many Jobs

Interchangeable Scopes and Light Sources. Modular Components Enable You to Adapt the Videoscope to Your Inspection Tasks

Scopes are available in 4 mm and 6 mm diameters with lengths up to 10 meters (32 feet). Interchangeable illumination modules also allow you to change between White LED, UV, or IR.

Scope unit

· Scope diameter 6.0 mm: length 2.0 / 3.5 / 7.5 / 10 m

· Scope diameter 4.0 mm: length 2.0 / 3.5 m

Light sources

· White light: standard inspections

- · Ultraviolet (UV): detect hairline cracks, lubricants
- · Infrared (IR): view objects in dark areas

The scopes and illumination modules can be changed on-site quickly and easily, reducing downtime.



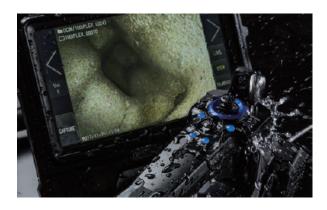




Stream Inspection Images for Quick Decision Making

Using the recommended USB wireless LAN adaptor, images can be shared with colleagues using smartphones or tablets during the inspection. This helps make it easy to diagnose problems with the assistance of other inspectors.

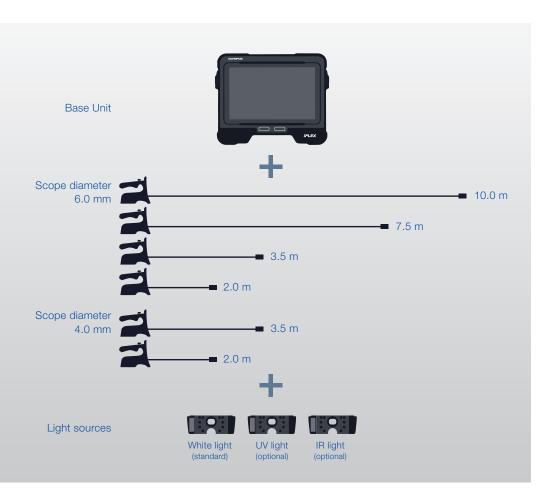
The Olympus IPLEX Image Share app is available on the App Store for compatible iOS devices.



Tested Tough

The videoscope is designed to meet IP65 standards for dust and water resistance and built to pass U.S. Department of Defense testing (MIL-STD) for protection against:

- · Drops of up to
 - 1.2 meters (4 feet)
- Vibration
- Blowing rain
- · High humidity
- Salt fog
- · Freezing rain
- · Electromagnetic environments
- · Explosive atmospheres





See clearly in Oily Environments

The grooves on the oil clearing tip adaptor uses capillary action to draw oil away from the lens, keeping your images clear and visible so that you don't have to stop your inspection to wipe oil off of the scope's lens.





Visit our website for more information.

Accessories

Carrying Case

The hard-walled carry case is small enough to fit in the overhead bin of most airplanes, while protecting the videoscope against the rigors of travel.



Scope Case

(optional) MAJ-2339



Lithium-ion Battery

The battery provides up to 150 minutes of operation.

Rigid Sleeve Sets

(optional)

MAJ-1253 (for 6.0 mm) MAJ-1737 (for 4.0 mm)

Sets are available for 6 mm and 4 mm scopes. Each set comes with three rigid sleeves, measuring 250 mm, 340 mm, and 450 mm in length.

Optical Adaptors (optional)

A variety of optical adaptors for the scope enable you to change the angle, direction, and depth of view.

Guide Tube

(optional) **MAJ-2341** (for 7.5 m) **MAJ-2342** (for 10.0 m)



IPLEX GX/GT Features and Specifications

| Model No. | | IV9420G | IV9435G | IV9620G | IV9635G | IV9675G | IV96100G | | | |
|-----------------------|------------------------|------------------------------------|--|--------------------------------|--|--------------------------------------|------------------|--|--|--|
| | Scope diameter | 0 4 | 4.0 mm | | (| a 6.0 mm | | | | |
| | Scope length | 2.0 m (6.6 ft.) | 3.5 m (11.5 ft.) | 2.0 m (6.6 ft.) | 3.5 m (11.5 ft.) | 7.5 m (24.6 ft.) | 10.0 m (32.8 ft. | | | |
| nsertion tube | Exterior | | | High durabi | lity tungsten braid | | | | | |
| | Tube flexibility | Unifor | m stiffness | Ta | pered Flex tube with flexibility | gradually increasing toward the dist | al end | | | |
| | Temperature sensor | | | 2-stage indicator for | high temperature warning | | | | | |
| | Articulation angle | | 130° | | 150° | 120° | 110° | | | |
| Articulation section | up/down/right/left | | | | 150. | | | | | |
| | Articulation operation | | TrueFeel electronic scope tip articulation / Fine mode articulation control by touch screen menu | | | | | | | |
| Approx. weight | | 0.99 kg (2.2 lbs) | 0.99 kg (2.2 lbs) 1.05 kg (2.3 lbs) 1.06 kg (2.3 lbs) 1.17 kg (2.6 lbs) 1.47 kg (3.2 lbs) | | | | 1.66 kg (3.7 lbs | | | |
| Dimensions (W x D x | (H) | | arts not included | | | | | | | |
| llumination | | | | LED i | illumination | | | | | |
| ASE UNIT | | | | | | | | | | |
| Model No. | | | IPLEX GX | | | IPLEX GT | | | | |
| Weight (with battery) | | | II LLX GX | 1 77 | kg (3.9 lbs) | II LEX GI | | | | |
| Dimensions (W x D x | | | 2/1 mm s | | 7.5 in. × 2.8 in.) Protuding pa | rts not included | | | | |
| Dimensions of carry | | | | | 20.7 in. × 9.6 in.) Carry-on siz | | | | | |
| Display | | | | | type touch screen, 5 step adj | | | | | |
| Бізріцу | AC power | | o inciraciyiigire v | | -type toder sereen, o step adju- -tz (with supplied AC adapter) | astable EOD backlight | | | | |
| Power supply | Battery | | 10.8 V nomin | | | norov 150 minutes | | | | |
| /ideo output standard | HDMI | | 10.8 V nominal, approx.(with supplied battery) Battery operation time: approx. 150 minutes TypeA HDMI 1.4 | | | | | | | |
| Headset (microphon | " | | | | | | | | | |
| Live image streaming | | | Attach th | | s LAN adapter to the Type A L | ICD connector | | | | |
| Scope unit interchan | - | Δ., | ailable for all scope model combi | | | Available between the same scope | model | | | |
| | • • | AV | allable for all scope model combil | Iduori | | Available between the same scope | model | | | |
| OFTWARE FEATURES | 3 | | | | | | | | | |
| Image features | | | | 5X digital zoom, 16 | 3-step brightness control | | | | | |
| Gain control | | 4-step adjus | table gain control(Manual, Auto, \ | Vider1, Wider2) | | Auto | | | | |
| Dynamic noise reduc | ction | | Available | | | _ | | | | |
| Sharpness control | | 4 | 4-mode adjustable sharpness cor | itrol | | = | | | | |
| Saturation control | | 3-step adjustable | e control of color saturation (Mono | otone, Natural, Vivid) | | _ | | | | |
| Display text options | | | 30-character title display | | | | | | | |
| Note text options | | 30-0 | character title display, mark, free o | Irawing | | _ | | | | |
| Image display functi | ons | | Live image car | be inverted to right and left, | inverted to up and down and r | otated 180 degrees | | | | |
| RECORDING MAN | AGEMENT FUNCT | ONS | | | | | | | | |
| Recording media | Normal | | | SDHC (with | supplied SDHC) | | | | | |
| | Constant Video | | recommended parts) Set the Cor | | | _ | | | | |
| Internal memory | | Ava | Available (only the still images are recorded) — | | | | | | | |
| Overlay | | | Zoom, Brightr | | Tip Adaptor, OLYMPUS logo, | and system setting | | | | |
| Thumbnail image dis | | | | | be displayed as thumbnails | | | | | |
| Still image | Resolution | | H768 x V576 (Pixel) | | | | | | | |
| recording | Recording format | | | | ed JPEG format | | | | | |
| | Resolution | | | | V576 (Pixel) | | | | | |
| Video recording | Recording format | | MPEG 4 AV | | e Profile. Windows Media Pla | yer 12 compatible | | | | |
| Frame rate | | | 60 fps / 30 fps | | | | | | | |
| MEASUREMENT F | UNCTIONS | | | | | | | | | |
| Scaler measurement | t | | | Using reference lengt | th to measure object length | | | | | |
| TEREO MEASURI | EMENT FUNCTION | IS | | 3 3 | , , | | | | | |
| Distance | | | Distance between two points * | 1 | | _ | | | | |
| Point-to-line | | Perpendicular | distance between a point and a u | | | _ | | | | |
| Depth | | · · | ight distance between a point and | | | _ | | | | |
| Area/Lines | | | point circumference and area mea | | | _ | | | | |
| PERATING ENVIR | ONMENT | | and the same and t | MIL-STD COMPL | IANCE | | | | | |
| | Ir | n air: -25 °C to 100 °C (-13 °F to | 212 °F): | Туре | | Method | | | | |
| | | unter 10 °C to 20 °C (E0 °E to | | | | | | | | |

| | Insertion tube | In air: -25 °C to 100 °C (-13 °F to 212 °F); in water: 10 °C to 30 °C (50 °F to 86 °F) | | | | |
|----------------------------------|----------------|---|--|--|--|--|
| Operating temperature | | In air: -10 °C to 40 °C (14 °F to 104 °F) (with battery) | | | | |
| tomporataro | Other parts | In air: 0 °C to 40 °C (32 °F to 104 °F) (with AC power adapter and battery charge) | | | | |
| Relative humidity | All parts | 15 to 90% | | | | |
| Liquid resistance | All parts | Operable when exposed to machine oil, light oil or 5% saline solution | | | | |
| Dust proofing and water proofing | Insertion tube | Operable under water with viewing tip adaptor attached Not operable under water with stereo measurement tip adaptors IV94 series - Up to an equivalent to 3.5 m (11.5 ft) in depth IV96 series - Up to an equivalent to 10 m (32.9 ft) in depth | | | | |
| | Other parts | IP65; not operable under water (battery cover and others must be closed) | | | | |
| | | | | | | |

| Method | | | | | |
|---|--|--|--|--|--|
| MIL-STD-810G, METHOD 514.7, Procedure I (General vibration test) | | | | | |
| MIL-STD-810G, METHOD 516.7, Procedure IV (Transit drop test) | | | | | |
| MIL-STD-810G, METHOD 506.6, Procedure I (Rain and Blowing rain test) | | | | | |
| MIL-STD-810G, METHOD 507.6, Procedure II (Aggravated Cycle) | | | | | |
| MIL-STD-810G, METHOD 509.6 | | | | | |
| MIL-STD-810G, METHOD 510.6, Procedure I (Blowing dust test) | | | | | |
| MIL-STD-810G, METHOD 521.4 | | | | | |
| MIL-STD-810G, METHOD 511.6, Procedure I (Operation in an explosive atmosphere test) | | | | | |
| MIL-STD-461G, RS103 Above decks | | | | | |
| | | | | | |

The operating environment performance is confirmed by the above MIL-STD-810G and MIL-STD-461G. No warranty is given as to damage-free under any conditions. Please ask Olympus sales representative for details.

OPTICAL TIP ADAPTOR SPECIFICATIONS

| 6.0 mm Vie | 6.0 mm viewing rip Adaptors | | | | | | | | | | |
|-------------------|-----------------------------|-------------|----------------|----------------|-----------------|-----------------|-------------|-----------------|-----------------|-------------|------------------|
| | | AT40D-IV96G | AT80D/NF-IV96G | AT80D/FF-IV96G | AT120D/NF-IV96G | AT120D/FF-IV96G | AT80S-IV96G | AT120S/NF-IV96G | AT120S/FF-IV96G | AT220D-IV76 | AT100D/100S-IV76 |
| | Field of view | 40° | 80° | 80° | 120° | 120° | 80° | 120° | 120° | 220° | 100°/100° |
| Optical system | Direction of view | Forward | | | | | Side | | | Forward | Forward/Side |
| System | Depth of field*2 | 200 to ∞ mm | 9 to ∞ mm | 35 to ∞ mm | 2 to 200 mm | 19 to ∞ mm | 15 to ∞ mm | 1 to 25 mm | 3 to ∞ mm | 1.6 to ∞ mm | 2.0 to ∞ mm |
| Distal | Outer diameter*3 Ø 6.0 mm | | | | | ø 8.4 mm | ø 6.0 mm | | | | |
| end | Distal end*4 | 18.4 mm | 18.9 mm | 18.8 mm | 18.9 mm | 18.8 mm | | 24.2 mm | | 21.1 mm | 29.5 mm |
| Oil cleari | na | | | Available | | | | | _ | | |

4.0 mm Viewing Tip Adaptors

| | | AT80D/ FF-IV94G | AT120D/ NF-IV94G | AT120D/ FF-IV94G | AT100S/ NF-IV94G | AT100S/ FF-IV94G |
|-------------------|-------------------|--------------------|---------------------|---------------------|---------------------|---------------------|
| Optical system | Field of view | 80° | 120° 120° | | 100° | 100° |
| | Direction of view | | Forward | Side | | |
| | Depth of field*2 | 35 to ∞ mm | 2 to 200 mm | 17 to ∞ mm | 2 to 15 mm | 8 to ∞ mm |
| Distal | Outer diameter*3 | | | | | |
| end | Distal end*4 | | 21.7 mm | | | |
| Oil clearing | | | Available | _ | | |

Stereo Tip Adaptors (4.0 mm and 6.0 mm)

| | | AT50D/ 50D-IV94 | AT50S/ 50S-IV94 | AT60D/ 60D-IV96 | AT60S /60S-IV96 | |
|----------------|-------------------|--------------------|--------------------|--------------------|--------------------|--|
| Optical system | Field of view | 50°. | /50° | 60°/ | /60° | |
| | Direction of view | Forward Side | | Forward | Side | |
| | Depth of field*2 | 5 to ∞ mm | 4 to ∞ mm | 5 to ∞ mm | 4 to ∞ mm | |
| Distal end | Outer diameter*3 | ø 4.0 |) mm | ø 6.0 |) mm | |
| | Distal end*4 | 24.3 mm | 28.4 mm | 24.9 mm | 31.3 mm | |

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- *1. Upgrade for optional function.
 *2. Indicates the viewing distance with optimal focus.
 *3. The adapter can be inserted into a 64.0 mm, o6.0 mm and o8.4 mm hole when it is mounted on the scope.
 *4. Indicates the length of the rigid portion at the scope's distal end when mounted.
- OLYMPUS CORPORATION is ISO14001 certified.

- OLYMPUS CORPORATION is ISO9001 certified.

 This product is designed for use in industrial environments for the EMC performance.
 Using it in a residential environment may affect other equipment in the environment.
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 Images on the PC monitors are simulated.

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

