

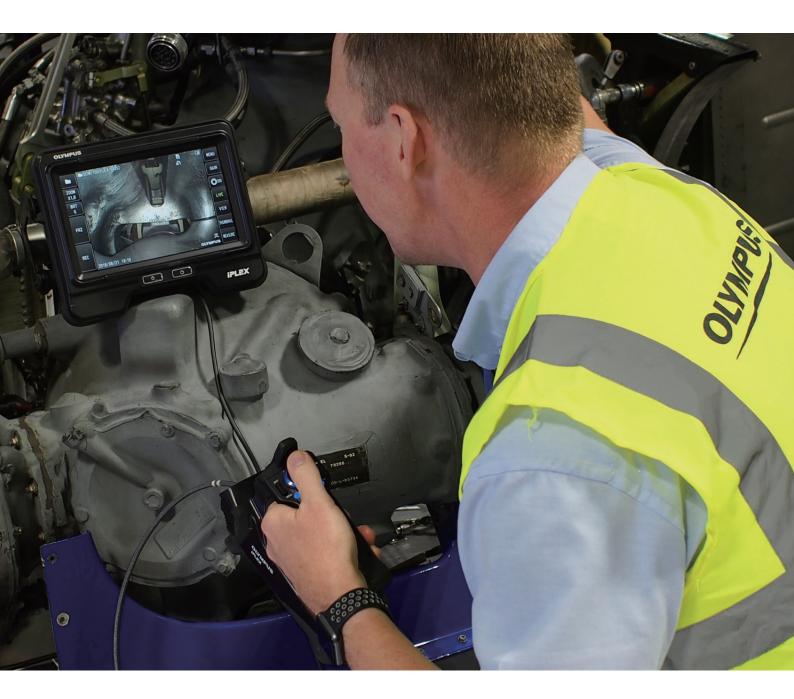


The Right Tool for the Job



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

Precise Movements with a Light Touch

Responsive TrueFeel articulation enables you to control the scope's tip with precise movement so that you can navigate to your target area quickly, and stay in position with locking capability. A light touch of the control helps minimize fatigue when working for long hours.





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







Smooth 60 fps video

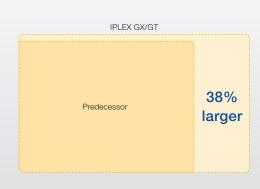




IPLEX RX/RT (predecessor)

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*

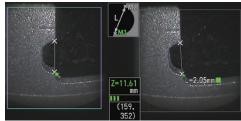
Never lose critical inspection recordings.

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





Denth

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.



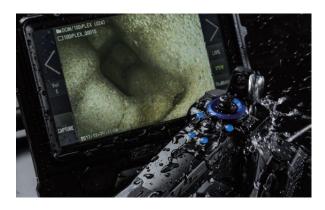




Stream Inspection Images for Quick Decision Making

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.

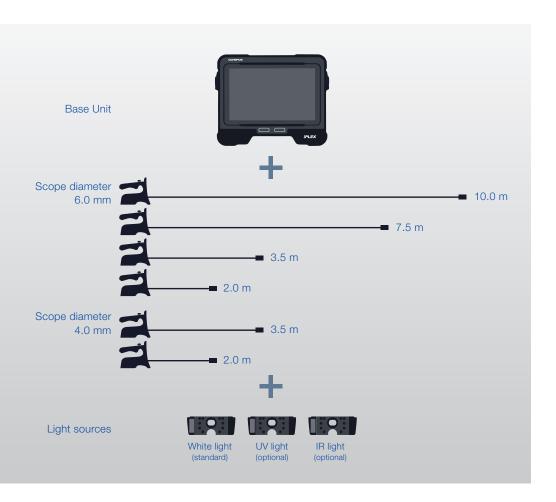
The Olympus IPLEX Image Share app is available on the App Store for compatible iOS devices.



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) · Salt fog
- Vibration
- Blowing rain
- · High humidity
- · 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

BASIC FUNCTIONS

Model No.		IV9420G	IV9435G	IV9620G	IV9635G	IV9675G	IV96100G		
Scope diameter		ø 4.0 mm			ø 6	3.0 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.		
sertion tube	Exterior	1			ility tungsten braid		,		
	Tube flexibility	Uniform	stiffness			adually increasing toward the dista	l end		
	Temperature senso				high temperature warning	addany morodomig toward the dista	. 0110		
	Articulation angle			L diago maioator los					
Articulation section	up/down/right/left	1	30°	150° 120°			110°		
a dodiadon occuon	Articulation operati	on	TrueFeel electronic	scope tip articulation / Fine mode articulation control by touch screen menu					
Approx. weight		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	v H)	0.00 Ng (E.E 100)		188 mm × 158 mm (3.8 in. × 7.4 in. × 6.2 in.) Protruding parts not included					
Ilumination	×11)		37 11111 × 1001		illumination	3 Hot illoidaea			
				LLD	marm atorr				
ASE UNIT									
Model No.			IPLEX GX			IPLEX GT			
Weight (with battery	1)			1.77	kg (3.9 lbs)				
Dimensions (W x D	x H)		241 mm × 190) mm × 70 mm (9.5 in. ×	7.5 in. × 2.8 in.) Protuding parts	not included			
Dimensions of carry	ring case				20.7 in. × 9.6 in.) Carry-on size				
Display					-type touch screen, 5 step adjust				
	AC power		, 5		Hz (with supplied AC adapter)				
Power supply	Battery		10.8 V nominal a		ery) Battery operation time: appr	ox. 150 minutes			
/ideo output standard	-		10.0 1 1.0111111111, 0						
Headset (microphor			TypeA HDMI 1.4 ø 3.5mm mini plug CTIA						
			Attach +			Reconnector			
Live image streamin		A -	Attach the recommended USB wireless LAN adapter to the Type A USB connector						
Scope unit interchangeability		Ava	Available for all scope model combination Available between the same scope model						
OFTWARE FEATURE	S								
Image features				5X digital zoom, 1	6-step brightness control				
Gain control		4-sten adjust:	able gain control(Manual, Auto, Wide	Auto					
Dynamic noise reduction		Totop dajaot	Available			_			
Sharpness control		4.	4-mode adjustable sharpness control						
Saturation control			control of color saturation (Monotone	Natural Vivid					
Display text options		3-step adjustable	control of color saturation (Monotone		cter title display				
	·	20 al	naracter title display, mark, free draw		icter title display				
Note text options		30-CI				-			
Image display funct	ions		Live image can be	inverted to right and lett,	inverted to up and down and rota	ated 180 degrees			
RECORDING MAN	IAGEMENT FUNCT	IONS							
	Normal	SDHC (with supplied SDHC)							
Recording media	Constant Video	micro SDHC (using the recommended parts) Set the Constant video func-			Taupplied GDI 10)				
Internal memory	Constant viaco		able (only the still images are recorde						
Overlay		Avail		<u> </u>	I Tip Adaptor, OLYMPUS logo, an	nd system setting			
			Z00III, Brigilitiess			id system setting			
Thumbnail image di					be displayed as thumbnails				
Still image	Resolution		H768 x UST (Pixel)						
recording	Recording format			Compressed JPEG format H768 x V576 (Pixell)					
	Resolution								
Video recording	Recording format		MPEG 4 AVC/H.264 conforms to Baseline Profile. Windows Media Player 12 compatible						
	Frame rate	60 fps / 30 fps							
MEASUREMENT F	UNCTIONS								
				Heine and the control	46 4				
Scaler measuremen	ıt			using reterence leng	th to measure object length				
TEREO MEASUR	EMENT FUNCTION	IS							
Distance			Distance between two points *1						
		Dornondia: I		dofined line *1					
Point-to-line			Perpendicular distance between a point and a user-defined line *1 Orthogonal depth/height distance between a point and a user-defined plane *1						
Depth									
Area/Lines		Multiple po	pint circumference and area measure	ment -					
PERATING ENVI	RONMENT			MIL-STD COMPL	IANCE				
		n air: 25 °C to 100 °C (12 °E to 1	12 ∘□.	Туре		Method			
		n air: -25 °C to 100 °C (-13 °F to 2 n water: 10 °C to 30 °C (50 °F to 8	-25 °C to 100 °C (-13 °F to 212 °F);		Method MIL-STD-810G, METHOD 514.7, Procedure I (General vibration test)				
Operating		n air: -10 °C to 40 °C (14 °F to 104		Vibration					
temperature			7.0	Shock		16.7, Procedure IV (Transit drop to			
		n air: 0 °C to 40 °C (32 °F to 104 ° (with AC power adapter and batte		Water Resistance		06.6, Procedure I (Rain and Blow			
			, 0.0090/	Humidity		07.6, Procedure II (Aggravated Cy	rcle)		
Relative humidity	All narte	-			MIL-STD-810G, METHOD 509.6				
-	· ·	Operable when exposed to machin	o oil light oil or 50/ coling coluting	Salt Fog Sand and Dust		i09.6 i10.6, Procedure I (Blowing dust t			

	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	Other parts	In air: -10 °C to 40 °C (14 °F to 104 °F) (with battery)
tomporataro		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 1/94 series - Up to an equivalent to 3.5 m (11.5 ft) in depth 1/96 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)

Туре	Method					
Vibration	MIL-STD-810G, METHOD 514.7, Procedure I (General vibration test)					
Shock	MIL-STD-810G, METHOD 516.7, Procedure IV (Transit drop test)					
Water Resistance	MIL-STD-810G, METHOD 506.6, Procedure I (Rain and Blowing rain test)					
Humidity	MIL-STD-810G, METHOD 507.6, Procedure II (Aggravated Cycle)					
Salt Fog	MIL-STD-810G, METHOD 509.6					
Sand and Dust	MIL-STD-810G, METHOD 510.6, Procedure I (Blowing dust test)					
Icing/Freezing Rain	MIL-STD-810G, METHOD 521.4					
Explosive Atmosphere	MIL-STD-810G, METHOD 511.6, Procedure I (Operation in an explosive atmosphere test)					
Electromagnetic Interference (EMI)	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

		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	ng			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 end	Outer diameter*3					
	Distal end*4		19.0 mm	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.