

Remote Visual Inspection Solutions



- Videoscopes
- Fiberscopes
- Rigid Borescopes
- Miniboscopes
- Light Sources
- Accessories

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Satisfying the Remote Visual Inspection Demands of Diverse Industries

Olympus is a world-renowned leader in remote visual inspection (RVI) technology with a comprehensive portfolio of industrial videoscopes, fiberscopes, and borescopes that facilitate accurate inspections of small, enclosed spaces. Our RVI solutions are used in a wide range of industries and applications.

Applications

Industries	Applications	
Aerospace	● Turbine blades ● Combustion chamber	● Landing gear ● Airframe
Power Generation	● Heat exchanger pipes ● Turbine blades	● Power plant equipment ● Wind gearboxes
Oil/ Gas/ Chemical Plants	● Process pipes ● Heat exchanger pipes	● Boiler maintenance ● Tanks
Automotive	● Engine parts ● Assembled units	● Cast parts ● R&D, quality assurance
Defense/ Security	● Aircraft maintenance ● Customs & Border Control	● Search & Rescue ● Police & Special Forces
Architecture/ Construction	● Water pipes ● Gas pipes	● Ceiling and flooring ● Elevator maintenance
Manufacturing	● Small parts ● Drilled parts	● Production facilities ● R&D, quality assurance
Infrastructure	● Bridge maintenance ● Tunnel maintenance	● Railroad maintenance ● Water (drain) pipe maintenance



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Miniborescopes	P.10

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Diverse Selection of Solutions to Exceed Your Requirements

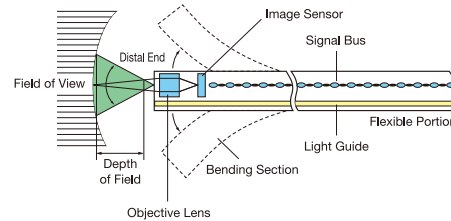
Videoscopes

- All-in-one package
- Automatic brightness control
- Video and still image recording
- Stereo measurement (optional)

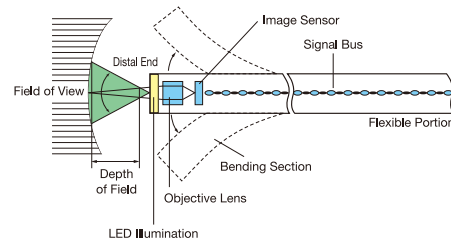


Structural Diagrams

► IPLEX NX/ IPLEX GX/ IPLEX GT/ IPLEX TX/ IPLEX G Lite Videoscopes



► IPLEX GAir Videoscope

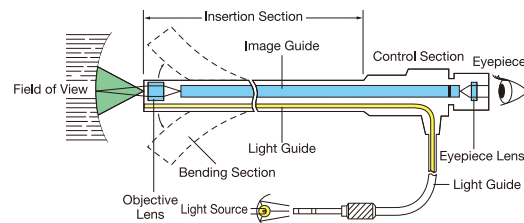


Fiberscopes

- Minimum 0.64 mm (0.03 in.) diameter
- Selectable light sources
- Eye-piece and monitor-based inspection
- Cost-effective



► Fiberscopes

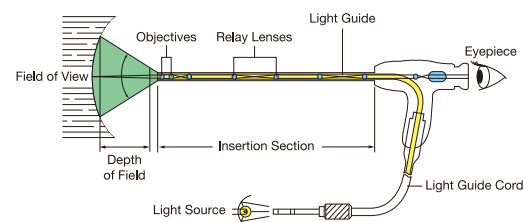


Rigid Borescopes

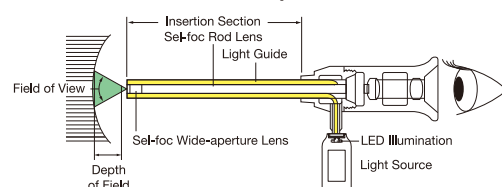
- High-quality lenses
- Eye-piece and monitor-based inspection
- Cost-effective



► Standard Rigid Borescopes/ Swing-Prism Borescopes/ Zoom Swing-Prism Borescopes/ Engine Borescopes



► MK Modular Mini-Scopes



Videoscopes

Advanced and Feature Packed

IPLEX NX

Diameter: 4.0 mm/6.0 mm/6.2 mm Lengths: 3.5 m to 7.5 m

High-quality images and expanded measurement capabilities



Features

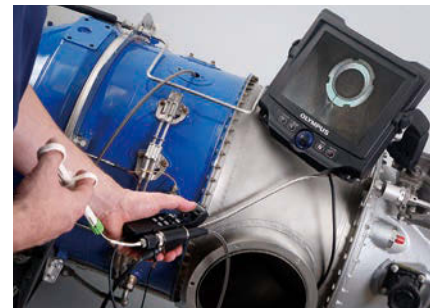
Intensely bright laser diode illumination



Measure with confidence using 3D Modeling



Internal working channel scope



Advanced Extra-Long Videoscope

IPLEX GAir

Diameter: 8.5 mm Lengths: 20.0 m to 30.0 m

Efficiently inspect complex piping systems up to 30 meters



Features

Precise Articulation regardless of length



Clear wide-view images for faster inspections



See clearly from safer distance



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Versatile Visual Inspection

IPLEX GX/GT

Diameter: 4.0 mm/6.0 mm Lengths: 2.0 m to 10.0 m

A good balance of portability, imaging capabilities, and ease of use



Features

Easy-to-use touch screen and hot key controls



Bright and clear images with smart video



Interchangeable scopes and light sources (white, UV, IR)



The Portable, Powerful Videoscope

IPLEX G Lite

Diameter: 4.0 mm/6.0 mm Lengths: 2.0 m to 10.0 m

Small and tough enough to use almost anywhere

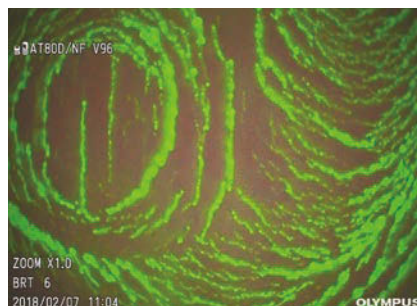


Features

Ergonomic and lightweight



Flexible UV and IR lighting options



Responsive joystick and precise articulation



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Videoscopes

Scopes up to 10 Meters(32.8 Feet) Long

Long Scopes

Diameter: 6.0 mm Lengths: 5.0 m to 10.0 m



Durable long insertion tubes with articulation for our portable videoscopes

Features

- Various lengths, from 5.0 m to 10.0 m
- Simple user-interface
- Stereo measurement available (depending on the model; stereo tip adaptor required)

Options

Flexible guide tube*
(7.5 m and 10.0 m; 24.6 ft–32.8 ft)

Increases the insertion tube's rigidity

*Only for IPLEX GX/GT/G Lite



Long Scopes General Specifications

	IPLEX NX	IPLEX GX/GT	IPLEX G Lite
Scope diameter	6.0 mm (0.24 in.)	6.0 mm (0.24 in.)	6.0 mm (0.24 in.)
Scope length	5.0 m / 7.5 m (16.4 ft. / 24.6 ft.)	7.5 m / 10.0 m (24.6 ft. / 32.8 ft.)	10.0 m (32.8 ft.)
Monitor size	8.4 inch	8.0 inch	4.3 inch
Interchangeable scope unit	✓	✓	—
Illumination	Laser diode	LED	LED
Light source	White	White (standard) UV, IR (optional)	White (standard) UV, IR (optional)
Measurement	Stereo with 3D modeling Scalar	Stereo (optional, GX only) Scalar	Stereo (optional) Scalar

Ultra-Thin Videoscope

IPLEX TX

Diameter: 2.4 mm Length: 1.2 m

The videoscope's ultra-thin diameter enables you to view inside very narrow spaces



Features

An ultra-thin videoscope with articulation



Interchangeable scope system



Options

Protective braid

Enhanced durability for IPLEX TX insertion tubes



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Optical Tip Adaptors for the IPLEX Series

IPLEX NX

		4.0 mm Optical Tip Adaptors					4.0 mm Stereo Tip Adaptors		
		AT80D/FF-IV94N	AT120D/NF-IV94N	AT120D/FF-IV94N	AT100S/NF-IV94N	AT100S/FF-IV94N	AT70D/70D-IV94N	AT50S/50S-IV94N	
Optical system	Field of view	80°	120°	120°	100°	100°	70°/70°	50°/50°	
	Direction of view	Forward	Forward	Forward	Side	Side	Forward	Side	
	Depth of field* ¹	35 to ∞ mm	2 to 200 mm	17 to ∞ mm	2 to 15 mm	8 to ∞ mm	5 to 200 mm	3 to 150 mm	
		6.0 mm Optical Tip Adaptors					6.0 mm Stereo Tip Adaptors		
		AT50D/FF-IV96N	AT80D/FF-IV96N	AT120D/NF-IV96N	AT120D/FF-IV96N	AT120S/NF-IV96N	AT120S/FF-IV96N	AT90D/90D-IV96N	AT70S/70S-IV96N
Optical system	Field of view	50°	80°	120°	120°	120°	120°	90°/90°	70°/70°
	Direction of view	Forward	Forward	Forward	Forward	Side	Side	Forward	Side
	Depth of field* ¹	50 to ∞ mm	20 to ∞ mm	7 to 300 mm	19 to ∞ mm	4 to 150 mm	20 to ∞ mm	5 to 250 mm	4 to 250 mm
		6.2 mm Optical Tip Adaptors					6.2 mm Stereo Tip Adaptors		
		AT80D-IV96X1N	AT120D/NF-IV96X1N	AT120D/FF-IV96X1N	AT80S-IV96X1N	AT120S-IV96X1N	AT70D/70D-IV96X1N	AT60S/60S-IV96X1N	
Optical system	Field of view	80°	120°	120°	80°	120°	70°/70°	60°/60°	
	Direction of view	Forward	Forward	Forward	Side	Side	Forward	Side	
	Depth of field* ¹	35 to ∞ mm	2 to 200 mm	17 to ∞ mm	30 to ∞ mm	8 to ∞ mm	5 to 200 mm	3 to 150 mm	
Oil Clearing		Available			—		—		

IPLEX GAir

		8.5 mm Optical Tip Adaptors				
		AT120D/NF-IV98GA	AT120D/FF-IV98GA	AT120S/NF-IV98GA	AT120S/FF-IV98GA	AT220D-IV98GA
Optical system	Field of view	120°	120°	120°	120°	220°
	Direction of view	Forward	Forward	Side	Side	Forward
	Depth of field*1	4 to 190 mm	25 to ∞ mm	1 to 25 mm	6 to ∞ mm	1 to ∞ mm
Oil Clearing		Available			—	

IPLEX GX/GT, IPLEX G Lite

		4.0 mm Optical Tip Adaptors					4.0 mm Stereo Tip Adaptors		6.0 mm Stereo Tip Adaptors		
		AT80D/FF -IV94G	AT120D/NF -IV94G	AT120D/FF -IV94G	AT100S/NF -IV94G	AT100S/FF -IV94G	AT50D/50D -IV94	AT50S/50S -IV94	AT60D/60D -IV96	AT60S/60S -IV96	
Optical system	Field of view	80°	120°	120°	100°	100°	50°/50°		60°/60°		
	Direction of view	Forward	Forward	Forward	Side	Side	Forward	Side	Forward	Side	
	Depth of field*1	35 to ∞ mm	2 to 200 mm	17 to ∞ mm	2 to 15 mm	8 to ∞ mm	5 to ∞ mm	4 to ∞ mm	5 to ∞ mm	4 to ∞ mm	
Oil Clearing		Available			—		—				
		6.0 mm Optical Tip 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
Optical system	Field of view	40°	80°	80°	120°	120°	80°	120°	120°	220°	100°/100°
	Direction of view	Forward	Forward	Forward	Forward	Forward	Side	Side	Side	Forward	Forward/Side
	Depth of field*1	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 to ∞ mm
Oil Clearing		Available					—				

*1 Indicates the range over which the image can be viewed clearly.

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Videoscope Comparison

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Product image			
Product name		IPLEX NX	IPLEX GAir
Scope diameter	Scope length		
ø2.4 mm (0.09 in.)	1.2 m (3.9 ft.)	—	—
ø4.0 mm (0.16 in.)	2.0 m (6.6 ft.)	—	—
	3.5 m (11.5 ft.)	✓	—
	5.0 m (16.4 ft.)	✓	—
ø6.0 mm (0.24 in.)	2.0 m (6.6 ft.)	—	—
	3.5 m (11.5 ft.)	✓	—
	5.0 m (16.4 ft.)	✓	—
	7.5 m (24.6 ft.)	✓	—
	10.0 m (32.8 ft.)	—	—
ø6.2 mm (0.24 in.)	3.5 m (11.5 ft.)	✓	—
ø8.5 mm (0.33 in.)	20.0 m (65.6 ft.)	—	✓
	30.0 m (98.4 ft.)	—	✓
Interchangeable scope unit		✓	✓
Articulation method		TrueFeel electronic scope tip articulation	Pneumatic articulation with built-in air compressor
Articulation direction		U/D/L/R	U/D/L/R
Articulation angles		130° (IV9435N/IV9450N) 180° (IV9635N/IV9650N) 150° (IV9675N)	90°
Dimensions (W × H × D)		320 mm × 310 mm × 180 mm (12.6 in. × 12.2 in. × 7.1 in.)	359 mm × 465 mm × 307 mm (14.1 in. × 18.3 in. × 12.1 in.)
Approx. weight		7.1 to 7.6 kg (15.7 to 16.8 lbs)	15.3 to 16.4 kg (33.7 to 36.2 lbs)
Monitor size (inches)		8.4	8.0
Touch screen		✓	✓
High temperature sensor		✓	✓
SmartTip adaptor		✓	—
Oil clearing tip adaptor (direct view only)		✓ (ø6.2 mm only)	✓
Illumination		Laser diode	LED
Light sources		White	White
Gain control (Auto, WiDER, Manual)		✓	✓
Measurement		Stereo with 3D modeling Scalar	Scalar
Spot Ranging		5 points	—
Constant video recording		—	✓
Bookmark on video		—	✓
Recording media		USB flash memory (still image recording only) SDHC	SDHC (Normal) microSDHC (constant video)
Still image recording	Resolution	H768 × V576 – 4 mm scopes H1024 × V768 – 6 mm scopes	H640 × V480
	Recording format	Compressed JPEG format	Compressed JPEG format
Video recording	Resolution	H768 × V576 – 4 mm scopes H1024 × V768 – 6 mm scopes	H640 × V480
	Recording format	MPEG 4 AVC/H.264 Windows Media Player 12 compatible	MPEG 4 AVC/H.264 conforms to Baseline Profile. Windows Media Player 12 compatible
Audio recording		✓	✓
Video out		VGA	HDMI 1.4 Type A
Battery operation time (approx. minutes)		100	180
MIL-STD compliance		✓	—
IP standard		IP55	—
Image sharing/Live image streaming		Toshiba FlashAir Wireless LAN SD card for image sharing	Attach the recommended USB wireless LAN adapter to the Type A USB connector for live image streaming

*1 Sales area of this product is limited to Japan, United States, Canada, China and Europe.

*2 Extend the life of the battery by using the ECO mode lighting control

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IPLEX GX		IPLEX GT	IPLEX G Lite	IPLEX TX
—		—	—	✓
✓		✓	✓	—
✓		✓	✓	—
—		—	—	—
✓		✓	✓	—
✓		✓	✓	—
—		—	—	—
✓		—	—	—
✓		✓	✓	—
—		—	—	—
—		—	—	—
—		—	—	—
✓		Available between the same scope model	—	✓
TrueFeel electronic scope tip articulation		TrueFeel electronic scope tip articulation		Direct manipulation
U/D/L/R		U/D/L/R		U/D
130° (IV9420G/IV9435G) 150° (IV9620G/IV9635G) 120° (IV9675G) 110° (IV96100G)		130° (IV9420GL/IV9435GL) 150° (IV9620GL/IV9635GL) 110° (IV96100GL)		135°
Main unit: 241 mm × 190 mm × 70 mm (9.5 in. × 7.5 in. × 2.8 in.) Scope unit: 97 mm × 188 mm × 158 mm (3.8 in. × 7.4 in. × 6.2 in.)		128 mm × 203 mm × 110 mm (5.0 in. × 8.0 in. × 4.3 in.)		Main unit: 239 mm × 215 mm × 99 mm (9.4 in. × 8.5 in. × 3.9 in.) Control unit: 49 mm × 59 mm × 334 mm (1.9 in. × 2.3 in. × 13.2 in.)
2.76 to 3.43 kg (6.1 to 7.6 lbs)		1.15 to 1.83 kg (2.5 to 4 lbs)		2.2 kg (4.9 lbs)
8.0		4.3		6.5
✓		✓		—
✓		✓		—
—		—		—
✓		✓		—
LED		LED		LED tip adaptor
White (standard), UV (option), IR (option)		White (standard), UV (option), IR (option)		White
✓		✓		✓
Auto only		Stereo (optional) Scalar		—
Stereo (optional) Scalar		Stereo (optional) Scalar		—
1 point		1 point		—
✓		✓		—
✓		✓		—
SDHC (Normal) microSDHC (constant video)		SDHC (Normal) microSDHC (constant video)		USB flash memory
H768 × V576		H768 × V576		NTSC: H640 × V480 PAL: H768 × V576
Compressed JPEG format		Compressed JPEG format		Compressed JPEG format
H768 × V576		H768 × V576		H640 × V480
MPEG 4 AVC/H.264 conforms to Baseline Profile. Windows Media Player 12 compatible		MPEG 4 AVC/H.264 conforms to Baseline Profile. Windows Media Player 12 compatible		AVI MPEG-4 format Windows Media Player compatible
✓		✓		—
HDMI Type A		HDMI Type C		RCA Composite
150		90°±2		150
✓		✓		—
IP65		IP65		IP55
Attach the recommended USB wireless LAN adapter to the Type A USB connector for live image streaming		Attach the recommended USB wireless LAN adapter to the Type A USB connector for live image streaming		—

Fiberscopes/Rigid Borescopes

General Scopes

IF Series (Fiberscopes)

Diameter: 0.64 mm/2.4 mm Lengths: 490 mm to 1,170 mm



Features

- Scope diameter as small as 0.64 mm (0.03 in.)
- Image recording with video camera

IF Series Specifications / Operating Environment

			IF6PD4	IF2D5
Scope diameter			ø0.64 mm (0.03 in.)	ø2.4 mm (0.09 in.)
Scope length			490/990 mm (19.3 in./39 in.)	600/1,170 mm (23.6 in./46.1 in.)
Articulation			—	Up/ Down
Articulation angle			—	120°
Depth of field			1 to 50 mm (0.04 in. to 2 in.)	2 to 50 mm (0.08 in. to 2 in.)
Operating temperature	Insertion tube	In air	10 °C to 40 °C (50 °F to 104 °F)	
		In water	10 °C to 30 °C (50 °F to 86 °F)	
	Other parts than above	In air	10 °C to 40 °C (50 °F to 104 °F)	
Waterproof			—	✓

Clear Image with Optical Lens

Series 5 Rigid Borescopes

Diameter: 4.1 mm to 16.1 mm Lengths: 21.0 cm to 134.0 cm



Standard Rigid Borescopes

Product code	Outer diameter	Effective length	Direction of view	Field of view	Depth of field
R040-021-000-60	ø4.1 mm (0.16 in.)	21 cm (8.3 in.)	0°	60°	5 to ∞ mm
R040-022-045-60		22 cm (8.7 in.)	45°		
R040-022-090-60			90°		
R040-033-000-60		33 cm (13 in.)	0°		
R040-033-045-60			45°		
R040-033-090-60			90°		
R060-017-000-50	ø6.1 mm (0.24 in.)	17 cm (6.7 in.)	0°	50°	5 to ∞ mm
R060-017-045-50			45°		
R060-017-090-50			90°		
R060-032-000-50		32 cm (12.6 in.)	0°		
R060-032-045-50			45°		
R060-032-090-50			90°		
R060-047-000-50		47 cm (18.5 in.)	0°		
R060-047-045-50			45°		
R060-047-090-50			90°		
R060-063-045-50		63 cm (24.8 in.)	45°		
R060-063-090-50			90°		
R060-078-090-50		78 cm (24.8 in.)	90°		
R080-024-000-50	ø8.1 mm (0.25 in.)	24 cm (9.4 in.)	0°	50°	5 to ∞ mm
R080-024-045-50			45°		
R080-024-090-50			90°		
R080-024-110-50			110°		
R080-025-090-35		25 cm (9.8 in.)	90°	35°	10 to ∞ mm
R080-034-090-50		34 cm (13.4 in.)	90°	50°	5 to ∞ mm
R080-034-110-50			110°		
R080-044-000-50		44 cm (17.3 in.)	0°		
R080-044-090-50			90°		
R080-054-090-50		54 cm (21.3 in.)	90°		
R080-064-000-50		64 cm (25.2 in.)	0°		
R080-064-090-50			90°		
R080-084-090-50		84 cm (33 in.)	90°		
R080-104-000-50		104 cm (41 in.)	0°		5 to ∞ mm
R080-104-090-50			90°		
R080-124-000-50		124 cm (48.8 in.)	0°		
R080-134-090-50		134 cm (52.8 in.)	90°		
R080-144-090-50		144 cm (56.8 in.)	90°		
R100-038-000-50	ø10.1 mm (0.4 in.)	38 cm (15 in.)	0°	50°	5 to ∞ mm
R100-039-090-35		39 cm (15.4 in.)	90°	35°	10 to ∞ mm
R100-039-090-50			90°	50°	5 to ∞ mm
R100-039-110-50			110°	50°	5 to ∞ mm
R100-053-090-50		53 cm (20.9 in.)	90°	50°	5 to ∞ mm
R100-066-000-50	ø10.1 mm (0.4 in.)	66 cm (26 in.)	0°	50°	5 to ∞ mm
R100-067-090-50		67 cm (26.4 in.)	90°	50°	5 to ∞ mm
R100-095-090-50		95 cm (37.4 in.)	90°	50°	5 to ∞ mm

Swing-Prism Borescopes (built to order)

Product code	Outer diameter	Effective length	Direction of view	Field of view	Depth of field
R060-023-045SW115-50	ø6.1 mm (0.24 in.)	23 cm (9.1 in.)	45 to 115°	50°	5 to ∞ mm
R060-031-045SW115-50		31 cm (12.2 in.)			
R060-046-045SW115-50		46 cm (18.1 in.)			
R080-023-045SW115-50	ø8.1 mm (0.32 in.)	23 cm (9.1 in.)			
R080-033-045SW115-50		33 cm (13 in.)			
R080-043-045SW115-50		43 cm (16.9 in.)			
R080-044-045SW115-20		44 cm (17.3 in.)		20°	30 to ∞ mm
R080-053-045SW115-50		53 cm (20.9 in.)		50°	5 to ∞ mm
R080-063-045SW115-50		63 cm (24.8 in.)			
R080-083-045SW115-50		83 cm (32.7 in.)			
R080-103-045SW115-50		103 cm (40.6 in.)			

Zoom Swing-Prism Borescopes (built to order)

Product code	Outer diameter	Effective length	Direction of view	Field of view	Depth of field
R060-024-045SW115-50ZM25	ø6.1 mm (0.24 in.)	24 cm (9.4 in.)	45 to 115°	25 to 50°	5 to ∞ mm
R060-032-045SW115-50ZM25		32 cm (12.6 in.)			
R060-047-045SW115-50ZM25		47 cm (18.5 in.)			
R060-062-045SW115-50ZM25		62 cm (24.4 in.)			
R080-024-045SW115-50ZM25	ø8.1 mm (0.32 in.)	24 cm (9.4 in.)			
R080-034-045SW115-50ZM25		34 cm (13.4 in.)			
R080-044-045SW115-50ZM25		44 cm (17.3 in.)			
R080-054-045SW115-50ZM25		54 cm (21.3 in.)			
R080-064-045SW115-50ZM25		64 cm (25.2 in.)			

Operating Environment

Operating temperature	Insertion tube	In air: -20 °C to 150 °C (-4 °F to 302 °F) Underwater: 10 °C to 30 °C (50 °F to 86 °F)
	Other parts than above	In air: -20 °C to 50 °C (-4 °F to 122 °F)
Operating atmospheric pressure	Insertion tube	In air: 700hPa to 1,700hPa Underwater: Up to 1,700hPa
	Other parts than above	In air: 710hPa to 1,060hPa
Liquid resistance	No trouble even when machine oil, light oil or 5% saline is attached.	
Waterproof	Insertion tube	Waterproof: can be used underwater
	Other parts than above	Drip-proof

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www.qnde.ca

MK Modular Mini-Scopes

Ultra-Thin Scopes

MK Modular Mini-Scopes



Diameter: 1.2 mm to 2.7 mm Lengths: 96 mm/186 mm



Features

- Diameter as small as 1.2 mm (0.05 in.)
- Interchangeable scope unit
- Versatile lineup of viewing directions
- Image recording with video camera

MK Modular Mini-Scope

Specifications

Product code	Outer diameter	Effective length	Direction of view	Field of view	Depth of field
MK012-009-000-45	ø 1.2 mm (0.05 in.)	96 mm (3.8 in.)	0°	45°	1 to ∞ mm
MK012-009-015-53			15°	53°	
MK017-009-000-62			0°	62°	
MK017-009-015-80			15°	80°	
MK017-009-090-62	ø 1.7 mm (0.07 in.)	96 mm (3.8 in.)	90°	62°	1 to ∞ mm
MK017-018-000-62			0°	62°	
MK017-018-015-80			15°	80°	
MK017-018-090-62			90°	62°	
MK027-018-000-62	ø 2.7 mm (0.11 in.)	186 mm (7.3 in.)	0°	62°	1 to ∞ mm
MK027-018-015-80			15°	80°	
MK027-018-090-62			90°	62°	

Accessories

For Videoscopes

Rigid Sleeve

- MAJ-1737 (For 4.0 mm dia. insertion tube)
- MAJ-1253 (For 6.0/6.2 mm dia. insertion tube)

Rigid sleeves allow easy insertion of videoscopes.



High Temperature Guide Tube (built to order)

- For 4.0 mm/6.0 mm insertion tube

The high temperature guide tube is able to operate in environments up to 250 °C (482 °F) (Requires external air supply)



Flex-and-Stay

Semi-flexible guide tube can be bent and fixed in any shape to allow easy insertion of videoscopes.



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For Fiberscopes / Rigid Borescopes

C-Mount Adaptors

To connect a camera to a fiberscope or rigid borescope



AK2-10C

Scope	C-mount adaptor	Magnification ratio	Brightness ratio
IF6PD4, IF2D5 Rigid Borescopes Miniboreoscopes	AK2-3C	0.42	5.7
	AK2-4C	0.56	3.2
	AK2-5C	0.75	1.8
	AK2-10C	1.0	1.0
	AK2-20C	1.35	0.55

Light Guide Cable

This accessory transmits light from a separate light source



Light Guide Cable Variation

Product code	Cable length	Description
LLGC SERIES 300 3MM X 1.8M	1.8 m	For rigid borescopes with outer diameter of ø6.1 mm or smaller
LLGC SERIES 300 3MM X 2.5M	2.5 m	
LLGC SERIES 300 5MM X 1.8M	1.8 m	
LLGC SERIES 300 5MM X 2.5M	2.5 m	
LLGC SERIES 300 5MM X 4.5M	4.5 m	
LLGC SERIES 300 5MM X 0.75M	0.75 m	
LLGC SERIES 300 5MM X 6.0M	6 m	For MK Modular Mini-Scopes
LIQUID LIGHT GUIDE MK 3MM X 1.8M	1.8 m	
LIQUID LIGHT GUIDE MK 3MM X 2.5M	2.5 m	
LIQUID LIGHT GUIDE MK 3MM X 5.0M	5 m	
LIQUID LIGHT GUIDE MK 3MM X 2.5M	2.5 m	For rigid borescopes with outer diameter of ø8.1 mm or larger
KFLG-1 FUSED LIGHT GUIDE 12MM X 1.0M	1 m	
KFLG-2 FUSED LIGHT GUIDE 12MM X 2.2M	2.2 m	
KFLG-3 FUSED LIGHT GUIDE 12MM X 3.0M	3 m	
KFLG-5 FUSED LIGHT GUIDE 12MM X 5.0M	5 m	

Light Sources

Compact LED Light Source for MK Modular Mini-Scopes

ILD-3

The ILD-C version is not available in China or South Korea

Both AC/DC power available

ILD-3 Specification

	ILD-3
Power supply	3VDC single use batteries ILD-C
Dimensions	55 mm (2.2 in.) long x 30 mm (1.2 in.) diameter
Weight	65 g (0.14 lb) without CR123 battery
Operation time	1.5 hours per interchangeable battery or 8 hours at full brightness from the ILD-C



Compact LED Light Source

ILD-2

Not available in China, South Korea, California (USA), and Oregon (USA)

ILD-C connected LED light source

ILD-2 Specification

	ILD-2
Power supply	ILD-C or Accessory Desktop PSU
Dimensions	81 mm (3.2 in.) long x 38 mm (1.5 in.) diameter
Weight	108 g (0.23 lb)
Operation time	2.5 hours at full brightness from the ILD-C



Brightness Control Box for ILD-2/ ILD-3

ILD-C

Not available in China, South Korea, California (USA), and Oregon (USA)

Rechargeable battery-driven
brightness controller

ILD-C Specification

	ILD-C
Power supply	9 to 19 VDC
Power consumption	38 W max when charging
Dimensions	130 mm x 90 mm x 38 mm (5.1 in. x 3.5 in. x 1.5 in.)
Weight	650 g (0.14 lb)



Connecting Scope Adaptors for ILD-2/ ILD-3

A range of adaptors to connect compact light sources to
our rigid borescopes and fiberscopes.

	ILD-2	ILD-3	Adaptor Shape
Series 5 Rigid Borescopes	✓	✓	
Fiberscopes	✓	✓	

*No adaptor needed to connect ILD-3 to MK Modular Mini-Scope

LED Light Source

LG-LSLED-RVI

Featuring a long-life white LED, the LG-LSLED-RVI
light source is approx. 100 times brighter than
the ILK-7 halogen light source yet consumes
about half the power. This low consumption
model meets most industrial needs.



Specifications

	LG-LSLED-RVI
INPUT	AC 100-240V, 50/60Hz
OUTPUT	DC24V (with supplied AC adapter)
Power consumption	37 W
Dimensions (W x H x D)	114 mm x 137 mm x 231 mm
Weight	2.45 kg
LED life time	Approx. 60,000 hours

Halogen Light Sources

ILK-7/ ILK-7A/ ILK-7B

Not available in South Korea

The ILK-7 range of light sources incorporates a
150 W tungsten-halogen lamp offering the features
necessary to meet most industrial needs



Specifications

	ILK-7	ILK-7A	ILK-7B
Voltage	100–120 V 50–60 Hz, 115 V 400 Hz	100–240 V 50–60 Hz, 115 V 400 Hz, 11–15V DC	100–240 V 50–60 Hz, 115 V 400 Hz
Power consumption	280 W	250 W	
Dimensions	178 mm x 76 mm x 230 mm (7 in. x 3 in. x 9 in.)		
Weight	2.3 kg (5 lb)		

UHP High-Intensity Light Source

ILP-2

Not available in South Korea

Our most powerful light source



ILP-2 Specification

	ILP-2
Voltage	100-240 V AC, 10-15 V DC
Power consumption	100 W
Dimensions	166 mm x 109 mm x 261 mm (6.5 in. x 4.3 in. x 10.3 in.)
Weight	2.9 kg (6.4 lb)

Not available for small-diameter borescopes. When used with other rigid borescopes,
connectable light guides differ depending on the borescope model. Please ask your
local Olympus sales representative for details.

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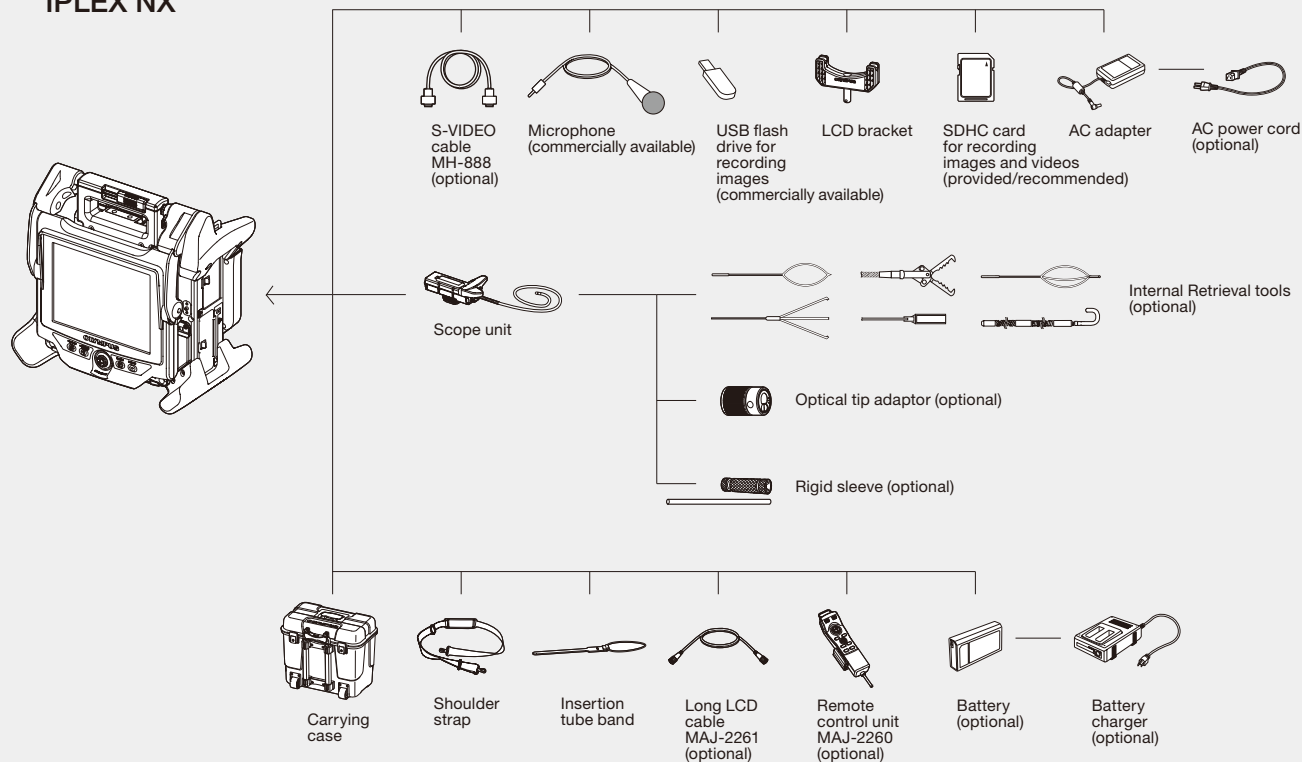
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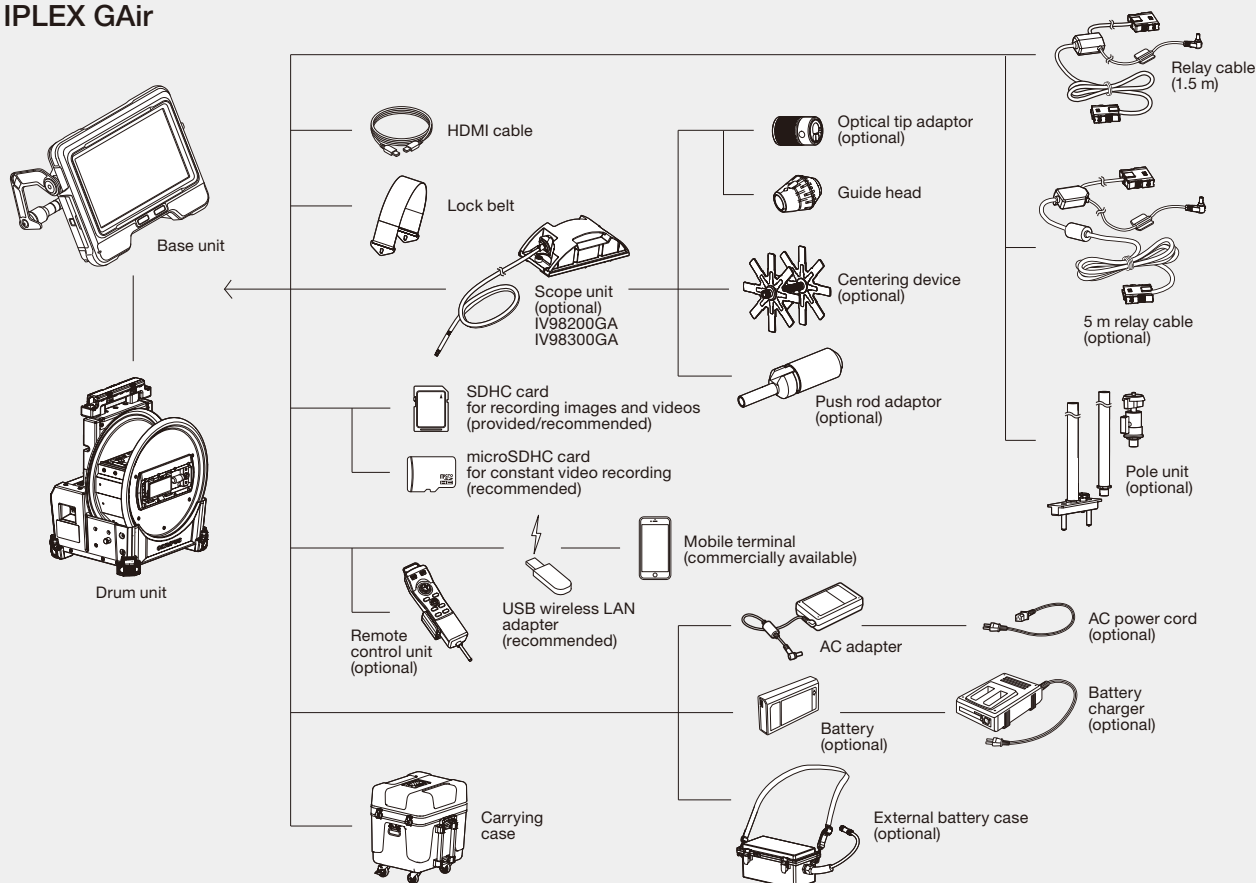
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Videoscopes

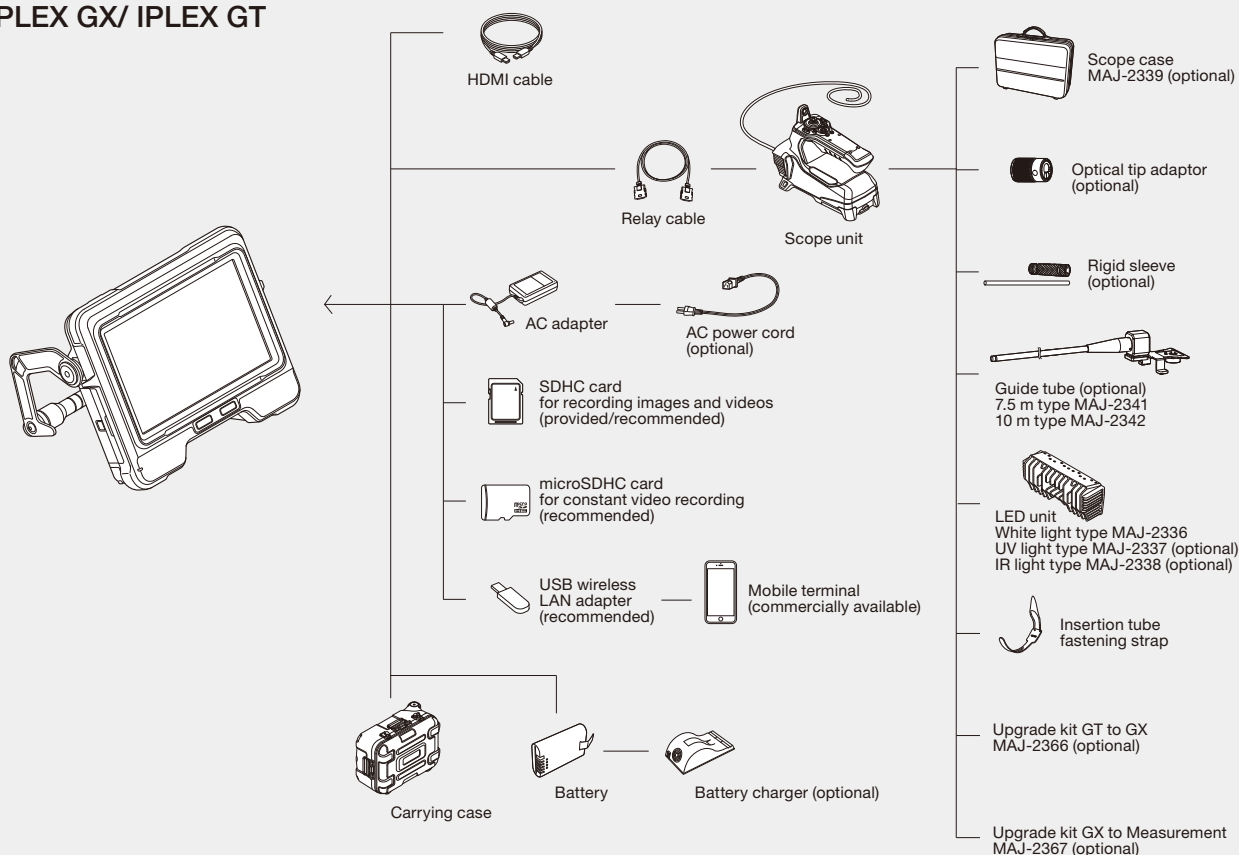
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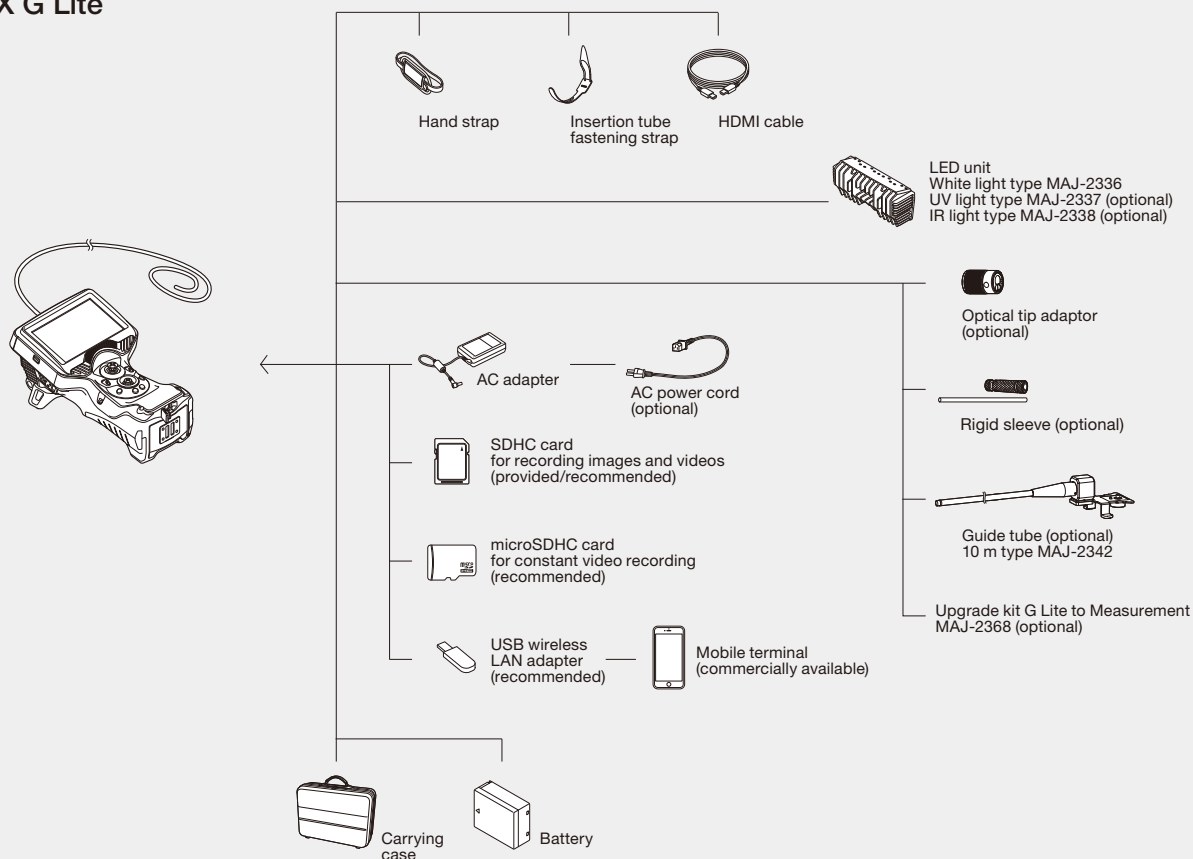
IPLEX GAir



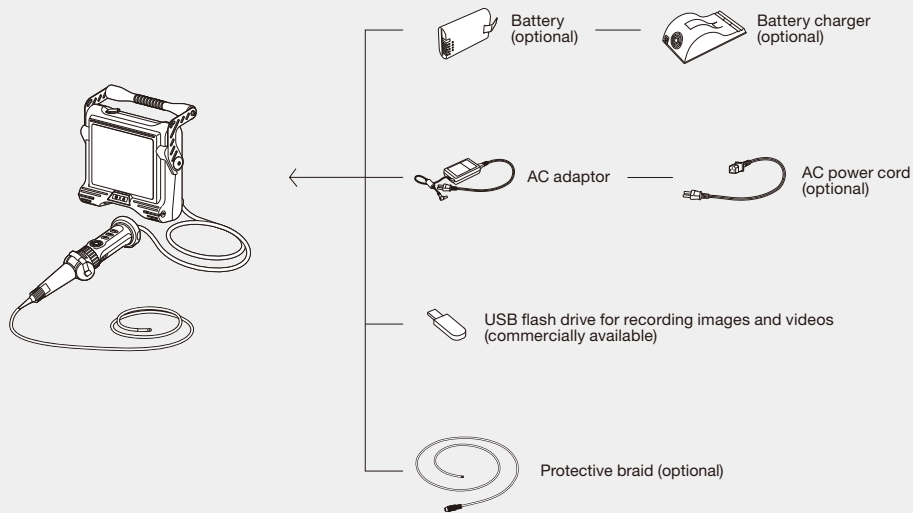
IPLEX GX/ IPLEX GT



IPLEX G Lite



IPLEX TX



Fiberscopes and Rigid Borescopes

Eye-piece Observation System

