

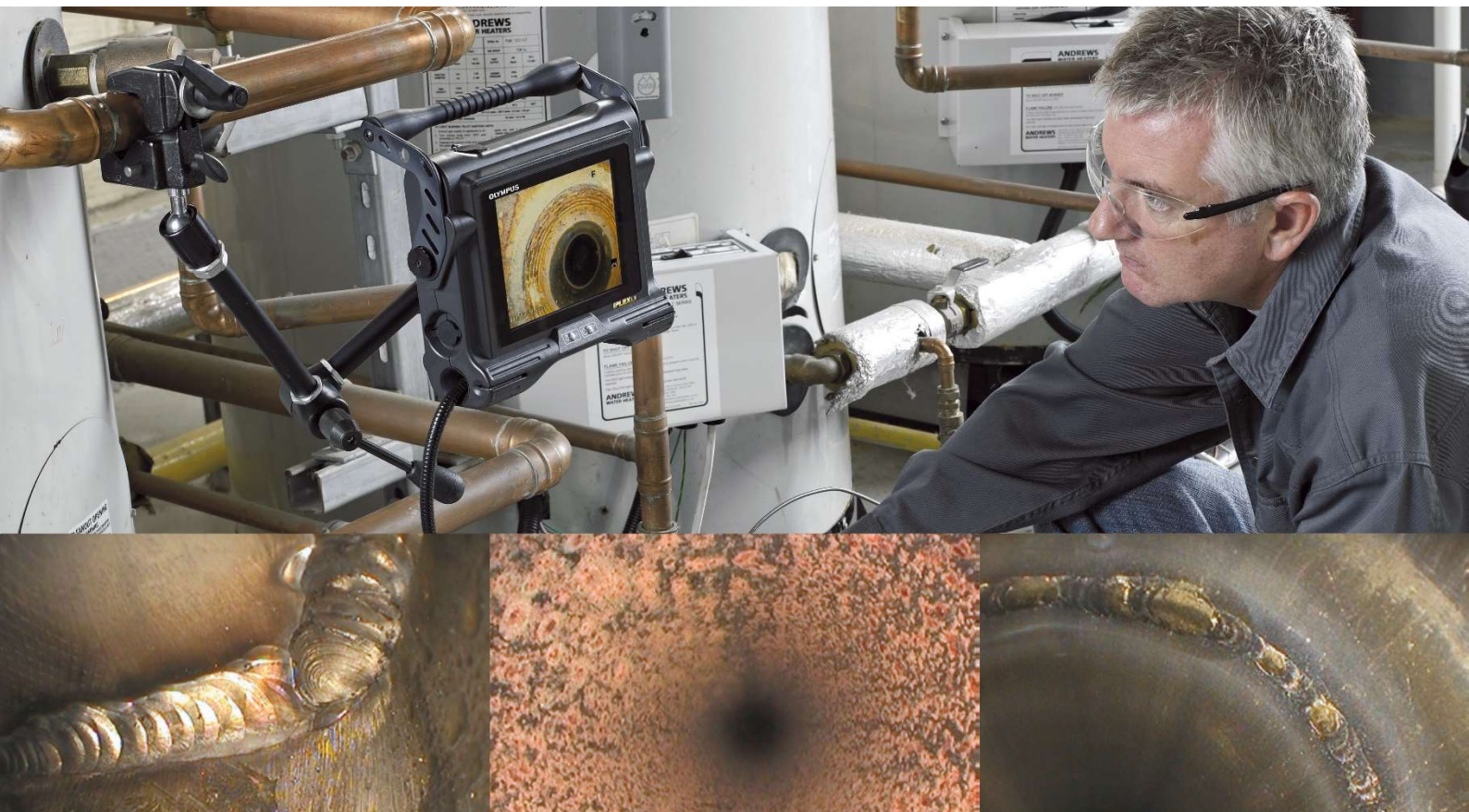
Longer Reach, Better Vision



# Longer Reach, Better Vision

## Wide Range of Choices

The Olympus IPLEX Long Scope Solution offers clear and easy visual inspections of hard-to-reach areas such as heat exchangers, boilers and water feed pipes.



With all the options available in our long scope products, you will find an excellent solution for your inspection needs. Olympus IPLEX Long Scope Solutions has the following major benefits:

- Bright and high quality images will increase probability of detection in deep and dark areas
- IPLEX insertion tubes are excellent in both durability and maneuverability
- Portable and versatile design offers easy inspections
- MIL-STD\* and IP compliance provide reliable inspections even in harsh environments
- Stereo measurement capability increasing inspection reliability

\*Excluding IPLEX RX/RT and IPLEX YS

# IPLEX Long Scope Line-up

## IPLEX NX

- Flagship model with 7.5 m scope
- Powerful laser diode illumination
- Clear and bright images with PulsarPic and WiDER functions
- Large 8.4 inch LCD monitor
- Stereo measurement



## IPLEX GX/GT

- Versatile videoscope with advanced imaging capabilities
- 6.0 mm insertion tube in 7.5 m / 10 m lengths
- Interchangeable White, UV and IR light sources
- Oil clearing optical tip adaptors
- Works in harsh environments with MIL-STD and IP65 compliance
- Stereo measurement (optional)



## IPLEX RX/RT

- Advanced videoscope that feature unique PulsarPic image processor to produce bright images
- 6.0 mm insertion tube in 20 m length



## IPLEX G Lite

- Powerful and portable videoscope
- 6.0 mm insertion tube in 10 m length
- Interchangeable White, UV and IR light sources
- Oil clearing optical tip adaptors
- Works in harsh environments with MIL-STD and IP65 compliance
- Stereo measurement (optional)



## IPLEX YS

- Extra-long 30 m, 8.5 mm-diameter videoscope
- Innovative air articulation technology enables scope articulation in any length
- Pioneering laser diode illumination for exceptional brightness
- Gravity sensor indicates target orientation
- Compressed air cleans the scope tip
- Stereo measurement



## COMPARISON OF MAIN SPECIFICATIONS

	IPLEX NX		IPLEX GX/GT		IPLEX G Lite	IPLEX RX/RT		IPLEX YS
Model No.	IV9650N	IV9675N	IV9675G	IV96100G	IV96100GL	IV98200RX <sup>*1</sup>	IV98200RT <sup>*1</sup>	IV88300Y <sup>*1</sup>
Outer diameter	6.0 mm (0.236 in.)		6.0 mm (0.236 in.)		6.0 mm (0.236 in.)	8.5 mm (0.334 in.)		8.5 mm (0.334 in.)
Dimensions of main/base unit <sup>*2</sup> (W x H x D)	320 x 310 x 180 mm (12.6 x 12.2 x 7.1 in.)		241 x 190 x 70 mm (9.5 x 7.5 x 2.8 in.)		128 x 203 x 110 mm (5.0 x 8.0 x 4.3 in.)	239 x 215 x 99 mm (9.4 x 8.5 x 3.9 in.)		472 x 522 x 380 mm (18.6 x 20.5 x 15 in.)
Approx. system weight	7.4 kg (16.3 lbs.)	7.6 kg (16.8 lbs.)	3.2 kg (7.1 lbs.) <sup>*3</sup>	3.4 kg (7.5 lbs.) <sup>*3</sup>	1.83 kg (4.0 lbs.)	5.2 kg (11.5 lbs.) <sup>*3</sup>		26.0 kg (57.3 lbs.)
Scope length	5 m (16.4 ft.)	7.5 m (24.6 ft.)	7.5 m (24.6 ft.)	10 m (32.8 ft.)	10 m (32.8 ft.)	20 m (65.6 ft.)		30 m (98.4 ft.)
Articulation angle (UP/DOWN/ RIGHT/LEFT)	180°	150°	120°	110°	110°	70° <sup>*4</sup>		60°
Operating temperatures of insertion tube	-25 to 100 °C (-13 to 212 °F)		-25 to 100 °C (-13 to 212 °F)		-25 to 100 °C (-13 to 212 °F)	-25 to 80 °C (-13 to 176 °F)		-25 to 100 °C (-13 to 212 °F)

<sup>\*1</sup> Built-to-order  
<sup>\*2</sup> Excluding protrusions  
<sup>\*3</sup> Including base unit  
<sup>\*4</sup> Reference value

# IPLEX Long Scope Specifications

## FUNCTIONAL COMPARISON

Category	Function	IPLEX NX	IPLEX GX	IPLEX GT	IPLEX G Lite	IPLEX RX	IPLEX RT	IPLEX YS	
Operability	Articulation method	TrueFeel electronic scope tip articulation	TrueFeel electronic scope tip articulation		TrueFeel electronic scope tip articulation	TrueFeel scope tip articulation		Pneumatic pressure scope tip articulation	
	Monitor size (inches)	8.4	8.0		4.3	6.5		8.4	
	Battery operation time (approx. minutes)	100	150		90	100		120	
	Interchangeable optical adaptor	●	●		●	●		●	
	Interchangeable scope unit	●	●	Available between the same scope model		—	—	—	
Recording management	Still image recording	Resolution	H1024 x V768 (Pixel)	H768 x V576 (Pixel)		H768 x V576 (Pixel)	H768 x V576 (Pixel)		NTSC: H640 x V480 (Pixel) PAL: H768 x V576 (Pixel)
		Recording format	Compressed JPEG format	Compressed JPEG format		Compressed JPEG format	Compressed JPEG format		JPEG TIFF
	Video recording	Resolution	H1024 x V768 (Pixel)	H768 x V576 (Pixel)		H768 x V576 (Pixel)	H640 x V480 (Pixel)		NTSC: H320 x V240 / H640 x V480 (Pixel) PAL: H384 x V288 / H768 x V576 (Pixel)
		Recording format	MPEG 4 AVC/H.264	MPEG 4 AVC/H.264 conforms to Baseline Profile		MPEG 4 AVC/H.264 conforms to Baseline Profile	AVI MPEG-4 format		AVI format Motion JPEG compression
		Frame rate	—	60 fps/30 fps		60 fps/30 fps	—		—
	Audio recording		●	●		●	—		●
Brightness Image quality	Illumination	Laser diode	LED		LED	LED		Laser diode	
	Light sources	White	White (standard) UV (option) IR (option)		White (standard) UV (option) IR (option)	White		White	
	Long time exposure	●	●		●	●		●	
	WIDER (Wide Dynamic Extended Range)	●	●	—	●	●	—	●	
	Sharpness adjustment	●	●	—	—	●	—	●	
Advanced functionality	Stereo measurement	●	● <sup>*1</sup>	—	● <sup>*1</sup>	—		●	
	Scalar measurement	●	●		●	—		●	
	Spot Ranging	5 points	1 point	—	1 point	—		1 point	
	Image comparison	●	—		—	—		●	
	Internal memory	—	●	—	●	—		●	
	Gravity sensor	—	—		—	—		●	
	Lens cleaning function	—	—		—	—		●	
	Oil clearing tip adaptor <sup>*2</sup>	—	●		●	—		—	
Environment resistance	MIL-STD compliance	●	●		●	—		—	
	IP standard	IP55	IP65		IP65	IP55		—	
	Temperature sensor	●	●		●	●	—	●	

\*1 System upgrade is required to activate the stereo measurement function  
\*2 Only for direct view tip adaptors



The IPLEX YS industrial videoscope is equipped with laser illumination.

OLYMPUS CORPORATION is ISO9001 and ISO14001 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.  
All company and product names are registered trademarks and/or trademarks of their respective owners.  
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.