

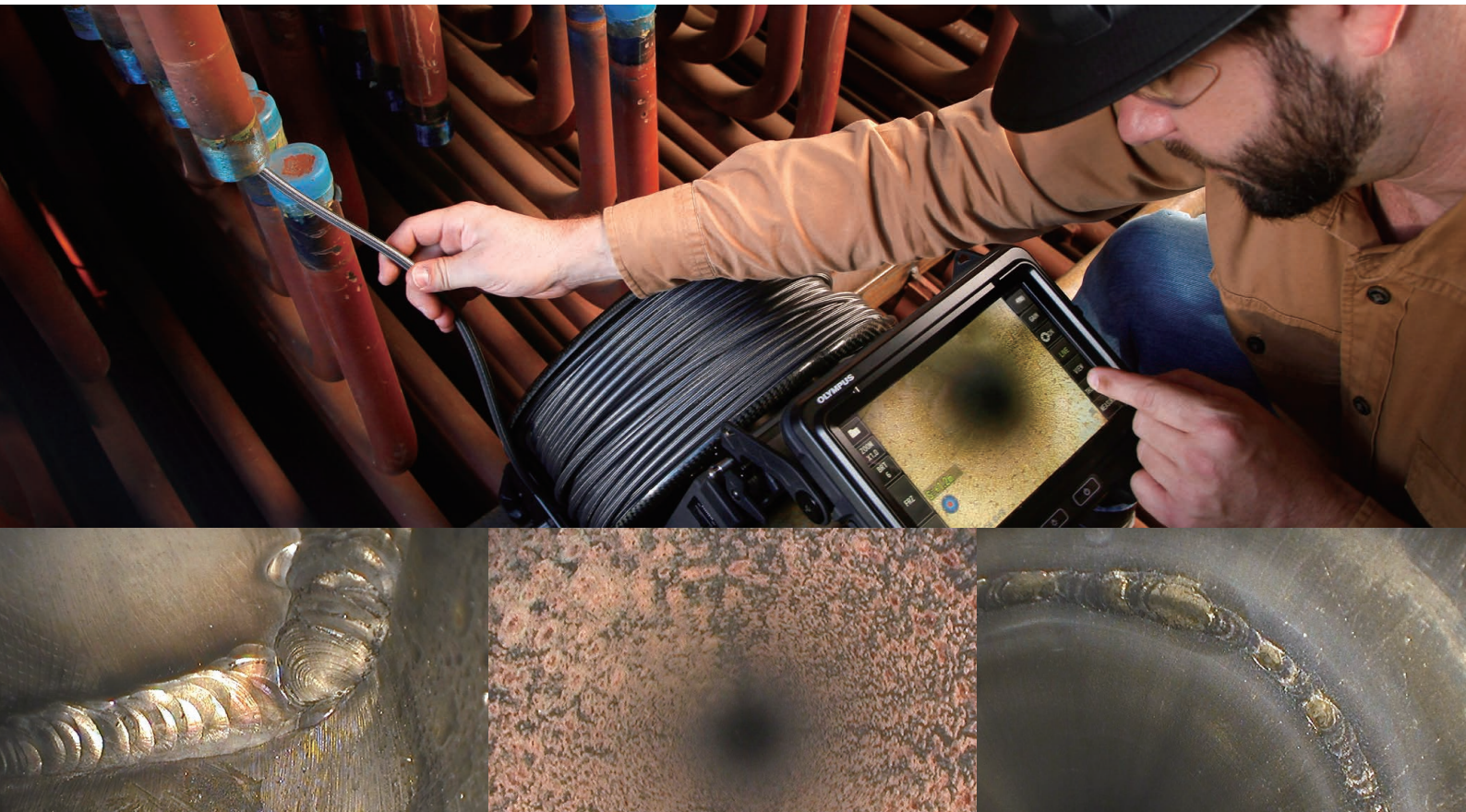
Longer Reach, Better Vision



# Longer Reach Better Vision

A 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.



Our long scope solutions enable you to choose the one that best fits your application. IPLEX long scope solutions have many benefits, including:

- Bright, high-quality images help increase the probability of detection in dark areas
- IPLEX insertion tubes balance durability and maneuverability
- Portable and versatile for easier inspections
- MIL-STD\* and IP rated\* for reliable inspections in harsh environments
- Stereo measurement\* increases inspection reliability

\*Excludes the IPLEX GAir

## IPLEX™ Long Scope Models

### IPLEX NX

- Our most advanced videoscope with a 7.5 m (24.6 ft) scope
- Powerful laser diode illumination
- Clear, bright images with PulsarPic™ and WiDER™ technology
- 8.4-inch LCD monitor
- Stereo measurement



### IPLEX GAir

- Precise articulation regardless of length
- 30 m (98 ft) or 20 m (65 ft) long scopes
- Easily maneuver through complex pipes
- Control the scope from up to 100 m (328 ft) away (optional)



### IPLEX GX/GT

- Versatile with advanced imaging capabilities
- 6 mm insertion tube in 7.5 m (24.6 ft) and 10 m (32.8 ft) lengths
- Interchangeable white, ultraviolet (UV), and infrared (IR) light sources
- Oil clearing tip adaptors
- Works in harsh environments (MIL-STD) and is IP65 rated
- Stereo measurement (optional)



### IPLEX G Lite

- Powerful, portable videoscope
- 6 mm insertion tube that's 10 m (32.8 ft) long
- Interchangeable white, UV, and IR light sources
- Oil clearing tip adaptors
- Works in harsh environments (MIL-STD and IP65 rated)
- Stereo measurement (optional)



## Specification Comparison

	IPLEX NX		IPLEX GAir		IPLEX GX/GT		IPLEX G Lite
Model Number	IV9650N	IV9675N	IV98200GA	IV98300GA	IV9675G	IV96100G	IV96100GL
Outer diameter	φ6.0 mm (0.236 in.)		φ8.5 mm (0.334 in.)		φ6.0 mm (0.236 in.)		φ6.0 mm (0.236 in.)
Dimensions of main/ base unit*1 (W x H x D)	320 x 310 x 180 mm (12.6 x 12.2 x 7.1 in.)		359 x 465 x 307 mm (14.1 x 18.3 x 12.1 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.)
Approx. system weight	7.4 kg (16.3 lb)	7.6 kg (16.8 lb)	15.3 kg (33.7 lb)	16.4 kg (36.2 lb)	3.2 kg (7.1 lb)*2	3.4 kg (7.5 lb)*2	1.83 kg (4.0 lb)
Scope length	5 m (16.4 ft)	7.5 m (24.6 ft)	20 m (65.6 ft)	30 m (98.4 ft)	7.5 m (24.6 ft)	10 m (32.8 ft)	10 m (32.8 ft)
Articulation angle (up/down/right/left)	180°	150°	90°		120°	110°	110°
Insertion tube operating temperature	-25 °C to 100 °C (-13 °F to 212 °F)		-25 °C to 100 °C (-13 °F to 212 °F)		-25 °C to 100 °C (-13 °F to 212 °F)		-25 °C to 100 °C (-13 °F to 212 °F)

\*1 Excluding protrusions

\*2 Including base unit

# IPLEX Long Scope Specifications

## Functional Comparison

Category	Function	IPLEX NX	IPLEX GAir	IPLEX GX	IPLEX GT	IPLEX G Lite	
Operability	Articulation method	TrueFeel electronic scope tip articulation	Pneumatic articulation with built-in air compressor	TrueFeel electronic scope tip articulation		TrueFeel electronic scope tip articulation	
	Monitor size (inches)	8.4	8.0	8.0		4.3	
	Battery operation time (approx. minutes)	100	180	150		90	
	Interchangeable optical adaptor	•	•	•		•	
	Interchangeable scope unit	•	•	•	Available between the same scope model		—
Recording management	Still image recording	Resolution	H1024 x V768 (Pixels)	H640 x V480 (Pixels)	H768 x V576 (Pixels)		H768 x V576 (Pixels)
		Recording format	Compressed JPEG format	Compressed JPEG format	Compressed JPEG format		Compressed JPEG format
	Video recording	Resolution	H1024 x V768 (Pixels)	H640 x V480 (Pixels)	H768 x V576 (Pixels)		H768 x V576 (Pixels)
		Recording format	MPEG 4 AVC/H.264	MPEG 4 AVC/H.264	MPEG 4 AVC/H.264		MPEG 4 AVC/H.264
		Frame rate	60 fps	60fps/30 fps	60 fps/30 fps		60 fps/30 fps
	Audio recording		•	•	•		•
	Brightness image quality	Illumination	Laser diode	LED	LED		LED
Light sources		White	White	White (standard) UV (optional) IR (optional)		White (standard) UV (optional) IR (optional)	
Long time exposure		•	•	•		•	
WIDER (Wide Dynamic Extended Range)		•	•	•	—	•	
Sharpness adjustments		•	•	•	—	—	
Advanced functionality	Stereo measurement	•	—	• <sup>*1</sup>	—	• <sup>*1</sup>	
	Scalar measurement	•	•	•		•	
	Spot ranging	5 points	—	1 point	—	1 point	
	Image comparison	•	—	—		—	
	Internal memory	—	•	•	—	•	
	Gravity sensor	—	•	—		—	
	Oil clearing tip adaptor <sup>*2</sup>	—	•	•		•	
	Temperature sensor	•	•	•		•	
Environmental resistance	MIL-STD compliance	•	—	•		•	
	IP standard	IP65	—	IP65		IP65	

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



The IPLEX NX industrial video scope is equipped with laser illumination

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- EVIDENT CORPORATION is ISO9001 certified.

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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.
- 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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