

Small Diameter Industrial Fiberscopes

Fiberscopes for discerning professional users who require high quality and dependable Remote Visual Inspection (RVI) equipment without overpaying for expensive brand names and unnecessary features.



Outstanding Image Clarity and Reliability

Remote Visual Inspection applications often demand scopes that can be inserted through small access points to provide high quality images of difficult to reach areas. These scopes also need to be capable of surviving the day-to-day rigors of the industrial working environment. At first view, this combination of requirements seems like a tough order to fill, but the IT Concepts series of 2mm industrial flexible Fiberscopes is up to the job!

Essential Parameters

	ART2-2-040	ART2-2-070	ART2-2-100	ART2-2-130
Diameter	2.4mm (0.094 in)	2.4mm (0.094 in)	2.4mm (0.094 in)	2.4mm (0.094 in)
Working Length	40cm (1.3 ft)	70cm (2.3 ft)	1.0m (3.3 ft)	1.3m (4.3 ft)
Articulation	2-way 120°	2-way 120°	2-way 120°	2-way 120°

Optical

Direction of View (DOV)	0° Forward
Field of View (FOV)	40°
Depth of Field (DOF)	5mm (.197 in) - 100mm (3.94 in)
Side View Tip	No
Optical System	Leached Image Guide
Resolution	6,000 Pixels
Eyepiece Magnification	35X

Mechanical

Insertion Tube Sheathing	Tungsten Braid
Insertion Tube Bend Radius	15mm (0.59 in)
Light Guide Cable ¹	1.5m (4.9 ft)
Light Guide Cable Plug ²	IT Concepts
Handpiece	Sturdy Aluminum

¹ These scopes are also available with a light guide post on the scope handpiece instead of an integral light guide cable.

² Other light guide plug adapters are available including Olympus and Machida configurations.

Environmental - All Models

Operating Temperature	
Working Length	-10° to 80° C (14° to 176° F)
Housing and Light Guide Cable	-10° to 50° C (14° to 122° F)
Fluid Resistance	Working length will withstand immersion in water, mineral and synthetic lubricating oils and hydraulic fluids, aviation fuel, kerosene, gasoline and diesel fuel.
Pressure Resistance	Working length resistant to 1 bar (14.5 psi)

All of the backbone components in these Fiberscopes are manufactured by IT Concepts, including fiber-optic image bundles. Few other 'manufacturers' of industrial Fiberscopes can state this fact

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IT Concepts offers an extensive selection of accessories and peripheral equipment for use with industrial Fiberscopes.

