



Advanced Test Equipment Rentals

www.atecorp.com 800-404-ATEC (2832)

■ IPLEX Equipment Components and Functions

■ IPLEX Detailed Specifications



Scope Variation

Outer diameter	Insertion tube length	Product code			
Æ4.4mm	3.5m	IV7435A	IV7435A	IV7435	Insertion tube length refers to the length from the distal end to the main unit case when the insertion tube is fully pulled out.
	3.5m	IV7635A	IV7635A	IV7635	
Æ6.0mm	5.0m	IV7650A	IV7650A	IV7650	
	7.5m	IV7675A	IV7675A	IV7675	
	9.6m	IV7696A	IV7696A	IV7696	

Basic Functions

Interchangeable optical adapter*3	✓	✓	✓	For the specifications, see "Optical Adapter Specifications."
4-way motorized angulation (with fine-tuning mode)	✓	✓	✓	Angulation range (up-down/right-left): IV76 Series - 150°, IV74 Series - 120°
Tough Tapered Flex insertion tube	✓	✓	✓	Tube design that becomes more pliable towards the distal end with crush resistance more than 3 times as high as that of a conventional model
Scope length index line	✓	✓	✓	Marked at every 500 mm
LCD monitor	✓	✓	✓	5.6" TFT full-color, detachable from main unit
LCD fixing device (monopod)	✓	✓	✓	Two-step expandable, maximum height 964 mm
Remote controller	✓	✓	✓	LCD monitor/provided with 3D Eye-Trek connector
50-W metal-halide light source	✓	✓	✓	Lamp life: 300 hours
Integrated shock-resistant case	✓	✓	✓	Dimensions: 508 (W) x 290 (D) x 528 (H) mm Weight: 22 kg (with IV7635A)
Rod handle & casters	✓	✓	✓	
Vertical and horizontal operation	✓	✓	✓	
Insertion tube winding drum	✓	✓	✓	
AC power supply	✓	✓	✓	Voltage: 100 to 120 V/220 to 240 V Max power consumption: 250 VA Frequency: 50/60/400 Hz
DC power supply	✓	✓	✓	Voltage: 10.5 to 32 V Max power consumption: 288 W

CCU Functions

Freeze	✓	✓	✓	Selectable between freeze and field, 4-frame memory possible (IPLEX model only)
Seamless digital zoom	✓	✓	✓	Max 3X
Panning	✓	✓	✓	
Exposure	✓	✓	✓	17 to 500 msec (NTSC) 20 to 500 msec (PAL)
Brightness adjustment	✓	✓	✓	7 steps
Gain	✓	✓	✓	Selectable from Standard, Boost and Low

Enhancement	✓	✓	✓	3 steps
Comparison	✓	✓		Live image and retrieve image are displayed on half-split screen
Menu language selection	✓	✓	✓	NTSC: Japanese or English PAL: English, German or French
Video signal output	✓	✓	✓	Composite video output terminal (BNC): 1 (75 ©) S-video terminal: 1 (75 ©)
Video signal input	✓	✓		S-video terminal: 1
Audio signal output	✓	✓	✓	Monaural x 1 (RCA Pin)
Recording Management Functions				
Still image recording/playback	✓	✓		File format: When stereo adapter is selected - Uncompressed TIFF, When other adapter is selected - JPEG (standard quality or high quality) File size: Uncompressed TIFF - 640 KB, Standard quality JPEG - 100 KB, High-quality JPEG - 200 KB, Resolution: NTSC - 640 x 480 pixels, PAL - 768 x 576 pixels
Audio recording/playback	✓	✓		Recording time: Max 60 sec File format: WAV
Movie recording/playback	✓	✓		Recording time: Variable depending on recording card capacity File format: QuickTime M-JPEG Resolution: NTSC - 320 x 240 pixels, PAL - 384 x 288 pixels
Removable medium	✓	✓		32 MB recording card provided as standard
Thumbnail display	✓	✓		9-frame display
Image file operation	✓	✓		Copy, move, delete Manageable by folder
Search function	✓	✓		Date search
Image title entry	✓	✓		Up to 15 alphanumeric characters and symbols can be entered.
USB terminal	✓	✓		USB version 1.0
IPLEX MANAGER software	✓	✓		For Windows 95, NT, 98, 2000*4
Direct recording to PC	✓	✓		Still image and still image with audio. Movie cannot be transferred.
Recorded data transferring to PC	✓	✓		
Remote operation by PC	✓	✓		
Measurement Functions				
Scaler measurement	✓	✓		Measures the distance between points. The calculation is based on the known length in the same inspection image.
Stereo measurement (Distance)	✓			Measures the distance between the two plotted points.

Stereo measurement (Point-to-Line)	√			Measures the distance between a hypothetical line between two designated positions and the required point.
Stereo measurement (Depth)	√			Measures the depth/height from a hypothetical plane inside three designated positions to the required point.
Stereo measurement (Area/Lines)	√			Calculates the area surrounded by multiple designated positions and plots multiple positions for measurement of curved surfaces.
Stereo measurement (Profile)	√			The cross section of two designated points is represented with computer graphics.

Other Functions

3D observation	Option	Option	Option	Stereo optical adapter and 3D Eye-Trek are required.
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*1 : Comprised of the IPLEX SA main unit and stereo measurement set.

*2 : The IPLEX can be upgraded to the IPLEX SA after purchase.

*3 : The distal end optical adapter is optional.

*4 : Some functions are not available with Windows 95 or NT.

