

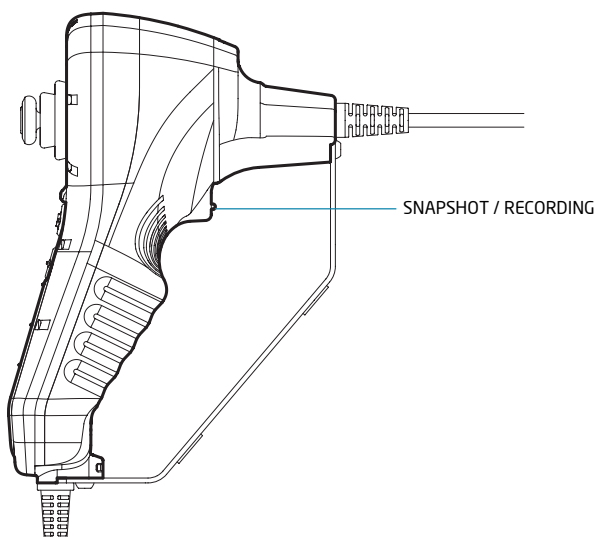
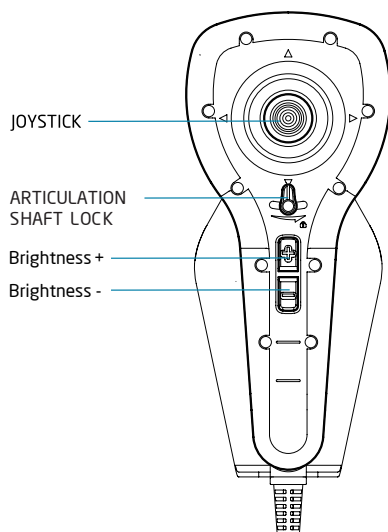
Mitcorp

X2000 Videoscope

360 Articulation Probes

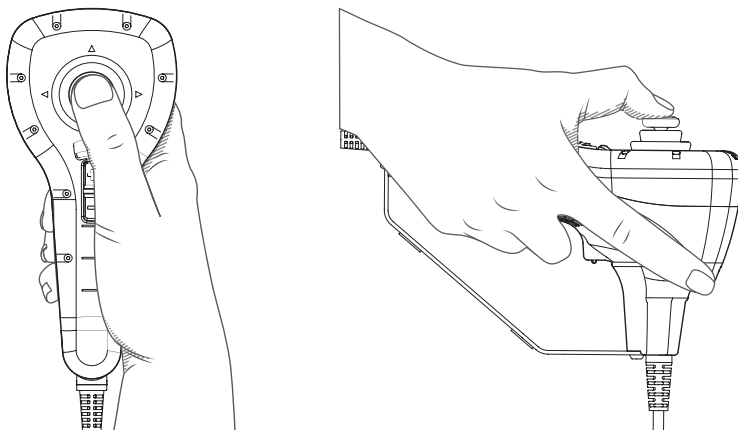


Joystick button operations // Joystick operations

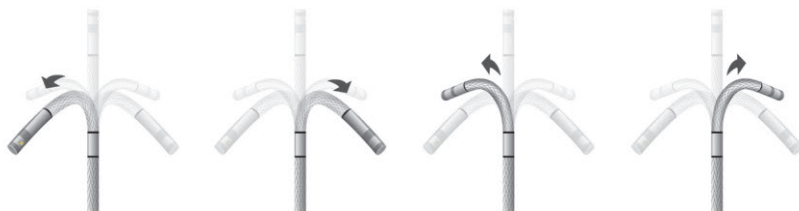


Frequent operations

Generally, use your thumb to control the joystick, and use the other fingers to grip the handle.



The joystick controls



The articulation of the probe can fixed at any joystick position.

Capture images

- Press  to capture the desired image.
- Press long (for 2 sec) to record video.
Press long (for 2 sec) again to stop recording.

Adjust brightness

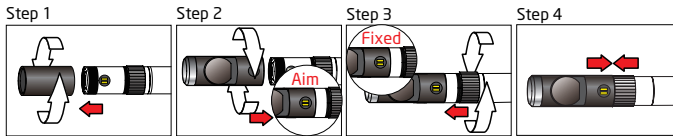
- Press  to increase brightness.
- Press  to decrease brightness.

- Accessories



- Working with Side/Dual View Mirror Adaptor

- Preparing the side/dual view mirror adaptors
- Remove the protective ring from the probe tip
- Toggle the LED illumination direction by pressing for the best visual performance



- Preparing the pin adaptor to measure sophisticated objects

- Remove the protective ring from the probe tip
- Screw tight the pin to start measurement (extra application is needed)



Rigid Sleeve

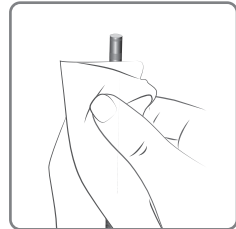
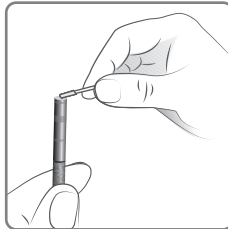
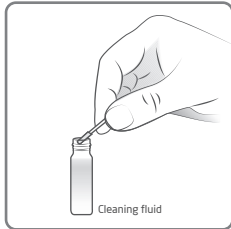
Rigid sleeve	Grip material: Rubber / Aluminum / Plastic Tube material: Stainless steel Stainless tube length: 450 mm per section. (Grip not included)	
	for 6.0 mm probe:	for 3.9 mm probe:
	OD: 8mm / ID: 7 mm Protection ring: OD: 10 mm Extension joint ring: 11.2 mm	OD: 6mm / ID: 5 mm Protection ring: OD: 8 mm Extension joint ring: 10 mm

- Preparing the rigid sleeve



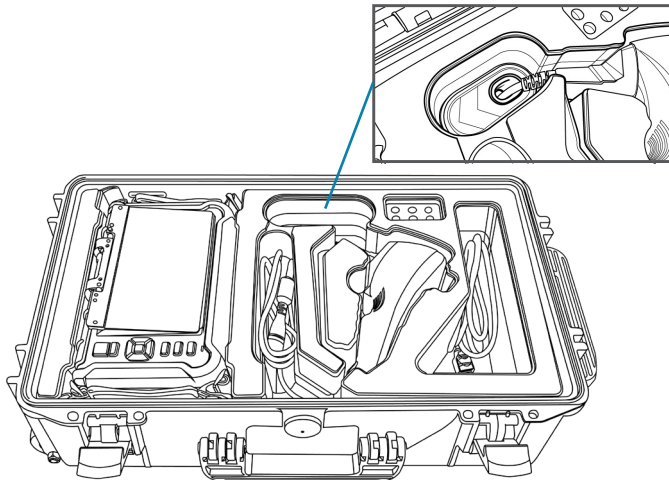
TO CLEAN THE PROBE TIP

- Check and clean the probe tip before / after use
- Dip a cotton swab into the cleaning liquid (provided in the cleaning kit), then wipe the lens carefully.
You may also use mild fluid detergents or water to clean the lens; Do not use any corrosive liquids such as alcohol.
- Use dry, clean and soft cloth to clean the probe



CAUTION: TUBE WINDING:

- Strongly recommend to use the storage reel of the original trolley case for best protection of the tube.
- During usage, don't roll the probe tubes too tight. The diameter of the rolled up tubes should at least be 15 cm. Rolling the tubes too tightly can damage the insertion probes.





360° Articulation Probes

Options	60D4W-F-TU-M	60D4W-F-TU-F	60D4W-FS-TU-M	39D4W-F-TU-M	39D4W-FS-TU-M	28D4W-F-TU-M
Probe head diameter*	6.0 mm*			3.9 mm*	3.9 mm*	2.8 mm*
Probe length options	2 m/3 m/5 m/7 m		2 m/3 m/5 m/7 m/10 m	1.5 m/3 m	1.5 m/3 m	1.5 m
Probe head length	19.3 mm		2 m/3 m: 21.5 mm 5 m/7 m/10 m: 24.4 mm	13 mm	21.6 mm	10.1 mm
Direction of View	Front view		Front + Side 90°	Front	Front + Side 90°	Front
Illumination	Front/ Side LEDs		Front+side LED	Front LED	Front + Side LED	Front LED
Mirror Adaptor	Side/ Dual view		n.a	n.a		
Field of View (FOV)	90°		95°	120°		
Depth of Field (DOF)	10 mm~100 mm	25 mm~∞	2 m/3 m: Front: 8 mm~∞ Side: 7 mm~∞ 5 m/7 m/10 m: Front: 8 mm~∞ Side: 5 mm~200 mm	5 mm~100 mm	5 mm~100 mm	3 mm~∞
Still image resolution (.jpg)	2560*1440		(Dual) 2560*1440	1600*1600	(Dual)1600*1600	800*800
Video resolution (.mov)	1920*1080		(Dual) 1920*1080	1600*1600	(Dual)1600*1600	800*800
Articulation angle**	2 m/3 m: full ways ≥ 120° 5 m/7 m/10 m: full ways ≥ 80°			Full way > 140°	Full way > 120°	Full way > 110°
Operating temperature	In air: -10~-100°C ; In water: 10~30°C					In air: -10~80°C In water: 10~30°C
Probe head material	Stainless Steel					
Probe material	Tungsten braid					
Joystick console dimensions	(WxDxH) 139.4x193x84.2 mm (w/o SR and insert tubes)					
Joystick console buttons	Brightness+, Brightness-, snapshot / record					
Lock and move	Joystick / Unlock switch on console					
Dust and water proof	Joystick console: IP54 ; Insert Tube: IP67					
Relative humidity	Max 95% non-condensing					
Liquid resistance	Operable when exposed to machine oil, light oil or 5% saline solution					
Storage temperature	-10°C~70°C					
Rigid sleeve	for 6.0 mm probe			for 3.9 mm probe / 2.8 mm		
	OD: 8 mm / ID: 7 mm Protection: OD: 10 mm Extension joint ring: OD: 11.2 mm			OD: 6 mm / ID: 5 mm Protection: OD: 8 mm Extension joint ring: OD: 8.6 mm		
	Grip material: Rubber / Aluminum / Plastic; Tube material: Stainless steel Stainless tube length: 450 mm per section. (Grip not included)					
Trolley case	HDPE EVA with storage reel					

* O.D. Tolerance: 6.0 mm: ±0.09 mm / 3.9 mm: ±0.15 mm / 2.8 mm: ±0.1 mm.

** The maximum articulation angle may degrade over time.



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