



A new scope for each case.

BD Aptra™ Single-Use Digital Flexible Ureteroscope



A ureteroscope is the cornerstone visualization tool of a urological procedure.

A reusable ureteroscope is traditionally the go-to for endoscopic urological procedures.

A clinician has expectations that a scope will provide:

- Excellent image quality
- Maximum deflection
- Availability for every procedure



Over time, reusable scopes may develop potential problems.

The value of having a reusable ureteroscope is lost when it's not available or when performance has been degraded through reprocessing and repair.



Cases can be postponed or delayed if another scope is not available.



Repeated use, reprocessing, and repairs can lead to degradation in deflection performance.



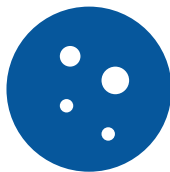
Black dots may appear on the image if optical fibers become damaged.



Buying a new reusable ureteroscope for every case just isn't practical or realistic.

What about a single-use scope?

Moving to a single-use scope may have meant you had to compromise on one or more key features.



Decreased image quality?



Larger outer diameter?



Compromised deflection?

Introducing the BD Aptra™ Single-Use Digital Flexible Ureteroscope.

When your choice is a single-use scope, you should expect enhanced image quality, a small diameter and maximum deflection.

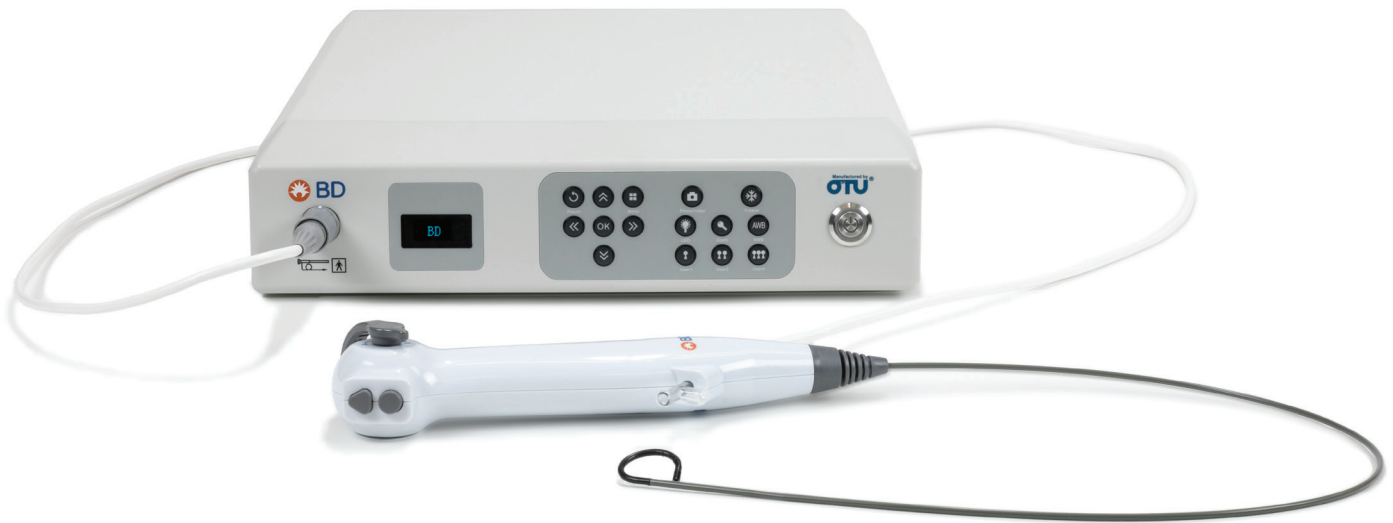
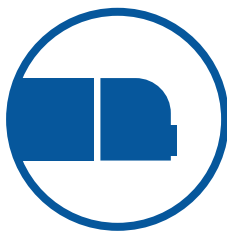


Image quality enhanced with the light source inside the tip of the scope.

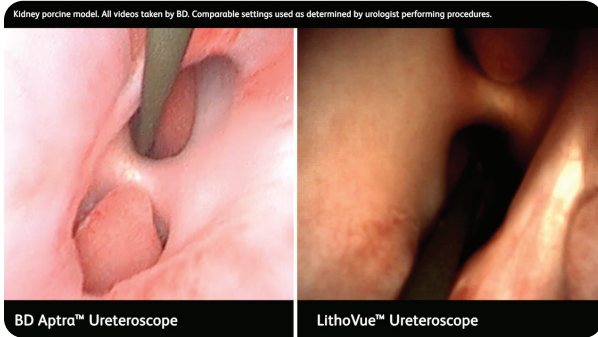


Tapered 7.4 Fr. distal tip.



Designed for maximum deflection to reach stones in the lower pole.

Enhanced image quality.



- In simulated testing, data shows that the average resolution on the BD Aptra™ Ureteroscope is better than the LithoVue™ ureteroscope at all conclusive target distances.*
- Camera module which produces an image resolution of 400 x 400 pixels.

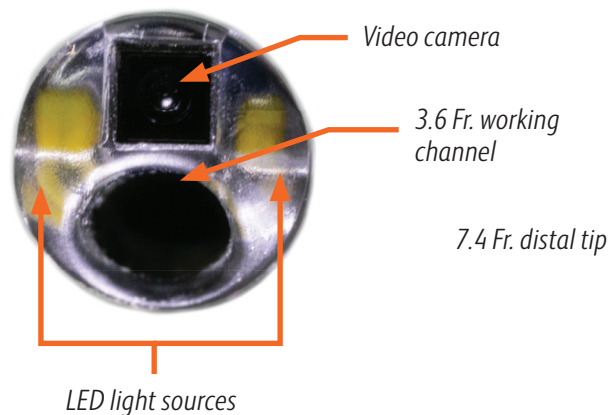
*Based on resolution bench-top testing at varying distances. May not be indicative of actual clinical performance.

Handle functionality.

- Ergonomic handle design & optimized location of access port and power cord for easier handling.
- Two programmable buttons to control key functionalities (e.g. brightness, zoom) and up to 3 unique user profiles can be stored on the BD Aptra™ Image System.



Specially engineered tip.



- A 3.6 Fr. working channel, camera module and two LEDs are all built into a tapered 7.4 Fr. tip.
- LEDs at the tip for enhanced illumination and overall image quality.



Designed for a greater maximum deflection angle.

- The BD Aptra™ Ureteroscope has a 5° greater maximum deflection angle than the LithoVue™ ureteroscope.**
- Maximum deflection of 275° in two directions.



** Information for LithoVue™ excerpted from literature published by Boston Scientific.

Intended use

BD Aptra™ Digital Endoscope System is intended to be used by physicians to access, visualize, and perform procedures in the urinary tract and the kidney. The instrument enables delivery and use of accessories such as biopsy forceps, laser fibers, graspers and retrieval baskets at a surgical site.

Contraindications

Diagnostic or therapeutic ureteroscopy is contraindicated in people with an untreated urinary tract infection.

Other contraindications to therapeutic ureteroscopy (e.g. lithotripsy, endopyelotomy, tumor therapy) are more numerous and can mirror those associated with the corresponding open surgical interventions. Patients on anticoagulants or with coagulopathies should be managed appropriately.

Warnings

- Do not use electromedical energy sources in the presence of flammable detergents, anesthetics, nitrous oxide (N₂O), or oxygen.
- Consult the user manuals of all electromedical energy sources used with endoscopic instruments for appropriate instruments, warnings and cautions prior to use. Such sources of energy include electrical, electrohydraulic, electrosurgical, heat hydraulic, laser, light, pressure, sound, ultrasound and vacuum.
- Do not insert or advance the ureteroscope unless there is a clear live endoscopic view of the lumen through which the scope is being advanced (or confirm with visualization by other imaging modalities).
- During the procedure, if the live endoscopic image is lost, do not advance or insert the ureteroscope and do not insert, advance or actuate accessories.
- Do not use excessive force while advancing or withdrawing the scope. If resistance is felt during advancement or withdrawal of the scope, investigate the source of resistance and/or take remedial action if necessary.
- Do not force the distal tip of the ureteroscope against the sidewall of the ureter or renal pelvis.
- Do not use excessive force when advancing or withdrawing an accessory within the ureteroscope.
- When inserting or using accessories, maintain continuous visualization of the distal tip. Ensure that the distance between the distal tip of the ureteroscope and the object in view is greater than the ureteroscope's minimum visible distance. Failure to do so may result in the accessories causing patient injury.
- Do not withdraw a laser fiber back into the ureteroscope while the laser is firing. Doing so may cause patient injury and/or scope damage.
- Do not look directly into the light emitted from the ureteroscope.
- Verify ground isolation when setting up and using accessories from different manufacturers prior to procedure.
- Do not open the handle of the ureteroscope.
- The ureteroscope is a single-use device and there are no serviceable parts. Do not repair damaged or non-operating ureteroscopes. Do not use the ureteroscope if damage is discovered or suspected.
- Do not excessively bend the flexible shaft or the articulating section of the ureteroscope.
- If damage to the ureteroscope occurs or it stops functioning during a procedure, stop using the ureteroscope immediately. See troubleshooting section for more information. Continue the procedure with a new ureteroscope, as appropriate.

Ureteroscope specifications

| | |
|-------------------------------|---|
| Reorder code | BDSD01 (standard deflection) BDRD01 (reverse deflection) |
| Field of view | 100° |
| Direction of view | Forward |
| Depth of field | 2 - 50mm |
| Distal tip diameter | 7.4 Fr. |
| Insertion tube outer diameter | 8.6 Fr. |
| Working channel diameter | 3.6 Fr. |
| Angulation range | 275° up/275° down |
| Shaft working length | 670mm |
| Cable length | 2800 mm |

Image system specifications

| | |
|---------------|--|
| Reorder code | BDVP01 |
| Voltage | AC 100-240V |
| Frequency | 50/60Hz |
| Key Functions | Brightness adjustment, zoom, image freezing and white balance |
| Video output | CVBS/HDMI output to monitor |
| Dimensions | 34.5 cm × 8.8 cm × 36.0 cm width x height x depth |
| Weight | 3.2kg |



Distributed by:
Becton, Dickinson and Company
Franklin Lakes, NJ 07417, US
+1.844.823.5433

Manufactured for:
OTU Medical, Inc.
2231A Fortune Dr.
San Jose, CA 95131, U.S.

bd.com

otumed.com

BD, the BD Logo, and Aptra are trademarks of Becton, Dickinson and Company or its affiliates. © 2022 BD. All rights reserved.
2109-19 BD-46520

