



Name: Colposcope, video, mobile

Purpose

Minimally invasive, low magnification, light-illuminated visualization instrument primarily used for triaging, diagnosing and managing precancerous cervical lesions in women. It examines the vagina and the cervix of the uterus for abnormal cells.

General Description/ System Components

Mains operated, mobile colposcope consisting of head housing the optics, light source; and stand. A video camera allows the user to capture images. Image processing s/w is used for post-examination processing. Storage of images and videos can be achieved by connection to external devices.


Technical Specifications

| Category | Specification | Compliance | | If non-compliant, state your specs |
|--------------|---|------------|---|------------------------------------|
| | | Y | N | |
| Mobility | Mobile unit | | | |
| | Adjustable height stand: ± 50 cm up/down | | | |
| | At least 3 lockable electrically conductive casters | | | |
| | 3 degrees of freedom movement | | | |
| Connectivity | Can be connected to external monitor via HDMI | | | |
| | Can be connected to a laptop via Wi-Fi/USB 3.0 | | | |
| Design | Colposcope head allows for continued use during treatment | | | |
| | Focus adjustment | | | |
| | Beam-splitter allows image to be seen from both the eyepiece and the camera | | | |
| | Camera: CCD technology with resolution ≥ 10 MP | | | |



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|------------------|---|------------|---|------------------------------------|
| | | Y | N | |
| | Membrane buttons for operations such as zoom in/out, focus, freeze, green filter, timing and magnification. | | | |
| | 40x magnification (36x optical) and 52° field of view | | | |
| | Acetic acid Test Timer | | | |
| Light source | LED-based | | | |
| Optics | Optic filters | | | |
| | Magnification: continuous 1 - 40x | | | |
| | Focal length (working distance): up to 300 mm with fine and coarse adjustment | | | |
| | Magnification: | | | |
| | Brightness: uniform end-to-end FOV | | | |
| | Aspect ratio 3:2 or better (e.g., 4:3) | | | |
| | Field-of-View (FOV): 52° at 1X | | | |
| | Depth of View: 5mm - 120mm | | | |
| Display s/w | All data related to imaging parameters can be displayed on the built-in screen | | | |
| Accessories | Endocervical speculum | | | |
| | vaginal sidewall retractor | | | |
| | Biopsy forceps: Tischler, Burke, Eppendorfer, Kevorkian | | | |
| | Endocervical curette | | | |
| Disposables (x5) | Single-use jars of 3–5% acetic acid | | | |
| | Single-use jars of Lugol's staining solution | | | |
| | Single-use jars of cauterizing Monsel's solution | | | |



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|---------------|---|---|---|------------------------------------|
| | | Y | N | |
| Option | PC tray | | | |
| Similar to: | Edan C6A Video Colposcope | This Area is for Technical Evaluation by Consultant | | |
| Typical Photo |  | | | |