



KN-2200 SERIES
COLPOSCOPE DIGITAL
IMAGING SYSTEM

✦ Obvious to see, observe subtlety
care for women's health

COLPOSCOPE



KN-2200BII

COLPOSCOPE DIGITAL IMAGING SYSTEM



① Optical System

Ultra-long depth of field, large field of view, super-stereoscopic, realistic color reduction, unique light path design, for pre-cancerous, pathological changes before the point of blood vessels, columnar epithelial and some small lesions to provide true 3D visual Effects.

② Binocular eyepiece

High-eye point, Wide-field eyepiece, 45° and 0° eyepiece options, suitable for different heights of inspection beds, making clinical operation more Comfortable.

③ Five- step Zoom

Up to 30 times of optical amplification, with high-quality amplification effect can be clearly observed a variety of small pathological cells, can be used to accurately locate biopsy of live lesions, help to improve the diagnosis of various cervical diseases, pre-cancerous screening accuracy, reduce missed Diagnosis.

④ Camera Device

Adopt German-imported Basler camera, the pixel can reach 6.37 million, providing physicians with high-quality images with higher Resolution.

⑤ Light Source

Adopt energy-saving and environmental protection LED light source, with high brightness, long life, uniform illumination, High Color rendering index, none producing heat and so on.

⑥ Trolley

Integrated photoelectric and trolley design, flexible operation, reasonable layout, small footprint, in a limited space can also meet clinical applications. All joints are using damping bearing technology, with the use of lifting spiral arm, to achieve arbitrary space hover, so that the optical system positioning more accurate and stable.

⑦ HD Dell all-in-one PC ⑧ Printer

NO.6 OPTIONAL



45° Eyepiece



0° Eyepiece

Two options for 45° and 0° Eyepieces for different heights of inspection beds



20 Eyepiece



250 Objective

Maximum Up to 30 times optical Amplification

| | | | | | | |
|------------------------------------|---------------|-------|------|------|--------|------|
| Combination | Five Gears | 0.4 | 0.6 | 1.0 | 1.6 | 2.5 |
| 12.5 × Eyepiece 300mm Objective | Magnification | 2.8 × | 4 × | 7 × | 11.5 × | 17 × |
| | Field of view | 78mm | 50 | 32 | 19 | 13 |
| 12.5 × Eyepiece 250mm Objective | Magnification | 3 × | 5 × | 8 × | 13 × | 20 × |
| | Field of view | 65mm | 42mm | 26mm | 16mm | 10mm |
| 20 × Eyepiece 300mm Objective | Magnification | 4 × | 7 × | 11 × | 17 × | 27 × |
| | Field of view | 58mm | 37mm | 23mm | 14mm | 9mm |
| 20 × Eyepiece 250mm Objective | Magnification | 5 × | 8 × | 13 × | 21 × | 32 × |
| | Field of view | 37mm | 24mm | 15mm | 9mm | 6mm |

NO.7

SOFTWARE FEATURES

| | | | | |
|------------------------------|------------------------|-----------------------------|-------------------------------|-------------------------------|
| Eyepiece | 12.5x, Optical: 20x | CCD Objective focal length | 65mm | |
| Observation Angel | 45° Eyepiece: 0 ~ 135° | CCD interface Type | USB3.0 | |
| | 0° Eyepiece: -45 ~ 90° | Cantilever Adjustment Range | 270° | |
| Double Eyepiece Focal length | 45° Eyepiece: 125mm | Illuminance | 30000Lux | |
| | 0° Eyepiece: 160mm | Color temperature | 5600K | |
| Diopter adjustment | -5D ~ +5D | Life time | ≥60000 Hours | |
| Eyepiece Adjustment Range | 55 ~ 75mm | Illumination Range | Φ ≥80mm | |
| Objective Focal length | 300mm, Optical: 250mm | | KN-2200B/BI | KN-2200BII |
| Working distance | 300 Objective: 300mm | Camera | 1/3" sony CMOS | 1/1.8" Basler ccd (Germany) |
| | 250 Objective: 250mm | Effective Pixel | 2 million 100 thousand pixels | 6 million 370 thousand pixels |
| Focusing | Fine tune, By hand | Image Size | 1920 × 1080 | 3088 × 2064 |
| Focusing distance | 40mm | Horizontal resolution | 1080p/60 | ≥2000 Lines |

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