

# COARI-II-L Colposcope



## Introduction

ARI Series Colposcopes are precise optical instruments designed especially for the gynecologic examination and diagnosis. Our colposcopes are featured for sharp image, wide field of view, uniform illumination, adjustable brightness and easy operation.

## Technical Specifications

PARAMETER	SPECIFICATION
Observation Angle	45°tilted
Magnification of Eyepiece	16X
Interpapillary Distance	50mm-80mm
Diopter	±5D
Focal length of objective	F=300mm
Magnification Changer	5-step: 0.4X, 0.66X, 1X, 1.5X, 2.5X
Total Magnification	2.7X, 4.4X, 6.6X, 10X, 16.6X
Linear Field	90mm, 55mm, 37mm, 24mm, 15mm
Beam Splitter	50:50
Fine Focusing Distance	20mm
Balance Arm	Counterweight adjustable and can be locked
Illumination	>20000lux, 10W LED light source, brightness adjustable
Filter	Build-in green & blue filter
Stand	Short column fitted on the five-star base
With beam splitter, and TV adapter, C-mount 1/3" CCD camera attachable	
Power Supply	AC100V-240V
Optional Accessories	Demonstrator, Camera (MDCCC200, MTV-73X10, MTV-73X10H, DC-200, VGA200), Photo adapter, Monitor H1766, Objective (F=23mm & F=280mm)

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## Introduction

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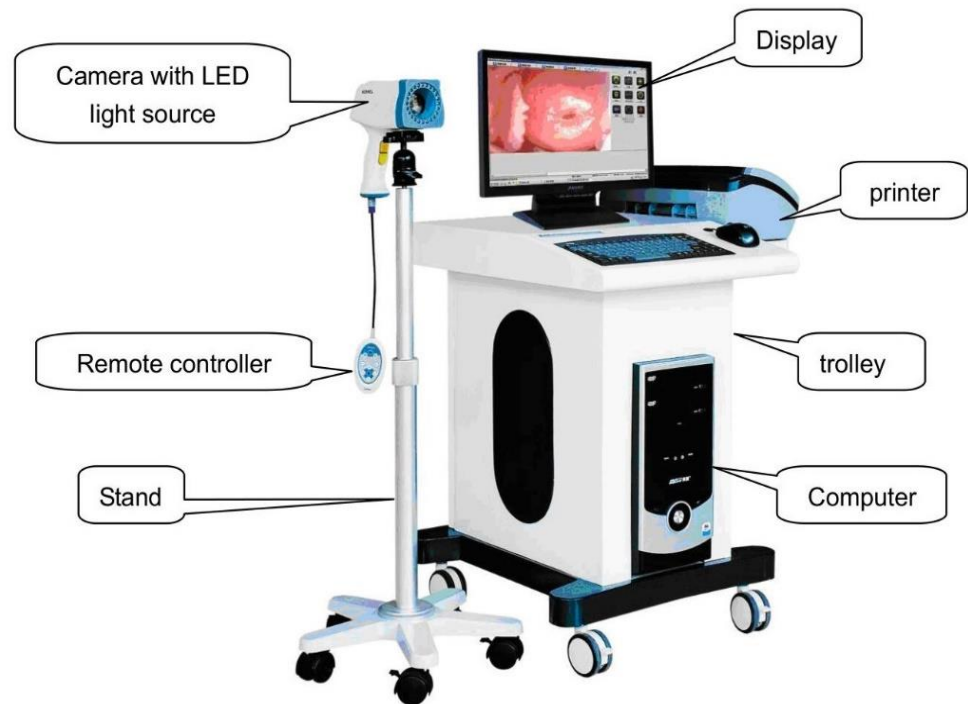
## Technical Specifications

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Total Magnification	2.7X, 4.4X, 6.6X, 10X, 16.6X
Linear Field	90mm, 55mm, 37mm, 24mm, 15mm
Beam Splitter	50:50
Fine Focusing Distance	60mm
Illumination	>20000lux, 10W LED light source, brightness adjustable
Filter	Build-in green & blue filter
Stand	Column height adjustable fitted on the round base with 3 jaws
With beam splitter, and TV adapter, C-mount 1/3" CCD camera attachable	
Power Supply	AC100V-240V
Optional Accessories	Demonstrator, Camera (MDCCC200, MTV-73X10, MTV-73X10H, DC-200, VGA200), Photo adapter, Monitor H1766, Objective (F=23mm & F=280mm)

# COARI-2200

## Digital Colposcope

### (Complete Set)



### Scope of Application

On the clinical, checkup with vulva, vagina, cervix and other parts.

### Technical Specifications

PARAMETER	SPECIFICATION
1/4" High-resolution color digital CCD.	
Automatic focus and manual focus control.	
Video output.	
Automatically adjust white balance.	
LED light source, brightness adjustable	
Light Source Illumination	Not less than 1200 Lux
Light Source Irradiated surface temperature	Not exceed 41°C
Work Distance	200mm ~ 400mm
Display Screen Resolution	Not less than 1024*768pixel

Camera Resolution	>480 lines
Camera Magnification	Continuously adjustable from 1 to 264 times
Signal Noise Ratio of Lens	$\geq 50\text{dB}$
Focusing Distance	10~800mm
Magnification Times	$\geq 252$ times
Power Supply	AC220V $\pm 10\%$ , 50Hz $\pm 2\%$
Input Power	Not more than 200VA
Stand	Upper arm can be up and down vertically
Footswitch	Capture pictures convenient and flexible
Control Handle	With control handle design, when inconvenient to use mouse operation, can handle the images zoom in and out, focus far and focus near, etc.
Security Category	Photographic equipment Class II

## Functions

- Abundant image database of cases (up to 175 kinds), convenient for doctor to make a comparative analysis.
- Advanced image processing technology, can achieve the functions of mark, area calculation, zoom in and out.
- With the editing functions of access images, freezing, collection, delete images, etc.
- Images can be collected continuously, and display a number of images on the same screen and convenient to contrast, full-screen display.
- The reports can be printed into multiple formats.

## Composition

Camera, software, stand, display, monitor, printer, trolley.

# COARI-2200

## Digital Colposcope

### (Simple Set)



#### Functions and Features

Abundant image database of cases (up to 175 kinds), convenient for doctor to make a comparative analysis.

Advanced image processing technology, can achieve the functions of mark, area calculation, zoom in and out.

#### Technical Specifications

PARAMETER	SPECIFICATION
Camera System	1/4" color CCD, automatic focus
Light Source Type	LED light source
Resolution	>470 lines
Signal Noise Ratio of Lens	$\geq 50$ dB
Focusing Distance	10~800mm
Magnification Times	$\geq 252$ times

#### Composition

Camera, software, stand, display, monitor, printer, trolley.

# COAOM-101

## Operating Microscope



### Introduction

AOM Series Operating Microscopes using fiber-optic cable for coaxial illumination, have different working distance and magnification. They are featured for flexible handling and easy Operating.

AOM-101 is mainly used for micro-operating in ear-nose-throat surgery.

### Technical Specifications

PARAMETER	SPECIFICATION
Observation Angle	Straight
Magnification of Observation	6X
Interpapillary Distance	50mm-80mm
Diopter	±5D
Focal Length of Objective	F=200mm and F=300mm two objectives
Magnification Changer	3-step: 0.6X, 1X, 1.6X
Total Magnification	3X-12X

Linear Field	60.8-15.8mm
Fine Focusing Distance	10mm
Beam Splitter	No
TV Adapter	No
Fiber-optic Cable	1600mm
Illumination	Coaxial illumination with cold light source fiber-optic cable, brightness adjustable
Lamp	21V/150W halogen lamp
Filter	Build-in green and yellow filter
With 2-part arm and floor stand.	
Power supply	AC220V50HZ / AC110V60HZ
Optional Accessories	Demonstrator, Camera (MDCCC200, MTV-73X10, MTV-73X10H, DC-200, VGA200), Photo adapter, Monitor H1766, Objective F=250mm & F=400mm

# COAOM-102

## Operating Microscope



### Introduction

AOM Series Operating Microscopes using fiber-optic cable for coaxial illumination, have different working distance and magnification. They are featured for flexible handling and easy Operating.

AOM-102 is mainly used for micro-operating in dental and ophthalmology surgery.

### Technical Specifications

PARAMETER	SPECIFICATION
Observation Angle	45°tilted
Magnification of Observation	6X
Interpapillary Distance	50mm-80mm
Diopter	±5D
Focal Length of Objective	F=200mm and F=300mm two objectives



Magnification Changer	3-step: 0.6X, 1X, 1.6X
Total Magnification	3X-12X
Linear Field	60.8-15.8mm
Fine Focusing Distance	10mm
Beam Splitter	No
TV Adapter	No
Fiber-optic Cable	1600mm
Illumination	Coaxial illumination with cold light source fiber-optic cable, brightness adjustable
Lamp	21V/150W halogen lamp
Filter	Build-in green and yellow filter
With 2-part arm and floor stand.	
Power supply	AC220V50HZ / AC110V60HZ
Optional Accessories	Demonstrator, Camera (MDCCC200, MTV-73X10, MTV-73X10H, DC-200, VGA200), Photo adapter, Monitor H1766, Objective F=250mm & F=400mm

# COAOM-103

## Operating Microscope



### Introduction

AOM Series Operating Microscopes using fiber-optic cable for coaxial illumination, have different working distance and magnification. They are featured for flexible handling and easy Operating.

AOM-103 is mainly used for micro-operating in ear-nose-throat surgery.

### Technical Specifications

PARAMETER	SPECIFICATION
Observation Angle	Straight
Magnification of Observation	6X
Interpapillary Distance	50mm-80mm
Diopter	±5D
Focal Length of Objective	F=200mm and F=300mm two objectives
Magnification Changer	3-step: 0.6X, 1X, 1.6X
Total Magnification	3X-12X
Linear Field	60.8-15.8mm

Fine Focusing Distance	10mm
Beam Splitter	No
TV Adapter	No
Fiber-optic Cable	1600mm
Illumination	Coaxial illumination with cold light source fiber-optic cable, brightness adjustable
Lamp	21V/150W halogen lamp
Filter	Build-in green and yellow filter
With 2-part arm and table clamp.	
Power supply	AC220V50HZ / AC110V60HZ
Optional Accessories	Demonstrator, Camera (MDCCC200, MTV-73X10, MTV-73X10H, DC-200, VGA200), Photo adapter, Monitor H1766, Objective F=250mm & F=400mm

# COAOM-104

## Operating Microscope



### Introduction

AOM Series Operating Microscopes using fiber-optic cable for coaxial illumination, have different working distance and magnification. They are featured for flexible handling and easy Operating.

AOM-104 is mainly used for micro-operating in dental and ophthalmology surgery.

### Technical Specifications

PARAMETER	SPECIFICATION
Observation Angle	45°tilted
Magnification of Observation	6X
Interpapillary Distance	50mm-80mm
Diopter	±5D
Focal Length of Objective	F=200mm and F=300mm two objectives
Magnification Changer	3-step: 0.6X, 1X, 1.6X
Total Magnification	3X-12X
Linear Field	60.8-15.8mm

Fine Focusing Distance	10mm
Beam Splitter	No
TV Adapter	No
Fiber-optic Cable	1600mm
Illumination	Coaxial illumination with cold light source fiber-optic cable, brightness adjustable
Lamp	21V/150W halogen lamp
Filter	Build-in green and yellow filter
With 2-part arm and table clamp.	
Power supply	AC220V50HZ / AC110V60HZ
Optional Accessories	Demonstrator, Camera (MDCCC200, MTV-73X10, MTV-73X10H, DC-200, VGA200), Photo adapter, Monitor H1766, Objective F=250mm & F=400mm

# COAOM-120

## Operating Microscope



### Introduction

AOM Series Operating Microscopes using fiber-optic cable for coaxial illumination, have different working distance and magnification. They are featured for flexible handling and easy Operating.

AOM-120 is mainly used for micro-operating in ear-nose-throat surgery.

### Technical Specifications

PARAMETER	SPECIFICATION
Observation Angle	Straight
Magnification of Observation	6X
Interpapillary Distance	50mm-80mm
Diopter	±5D
Focal Length of Objective	F=200mm and F=300mm two objectives
Magnification Changer	3-step: 0.6X, 1X, 1.6X

Total Magnification	3X-12X
Linear Field	60.8-15.8mm
Fine Focusing Distance	10mm
Fiber-optic Cable	1700mm
Illumination	Coaxial illumination with cold light source fiber-optic cable, brightness adjustable
Lamp	21V/150W halogen lamp
Filter	Build-in green and yellow filter
With beam splitter and TV adapter, C-mount 1/3 inch CCD camera attachable.	
With 2-part arm, counterweight adjustable and can be locked, with floor stand.	
Power supply	AC220V50HZ / AC110V60HZ
Optional Accessories	Demonstrator, Camera (MDCCC200, MTV-73X10, MTV-73X10H, DC-200, VGA200), Photo adapter, Monitor H1766, Objective F=250mm & F=400mm

# COAOM-130

## Operating Microscope



### Introduction

AOM Series Operating Microscopes using fiber-optic cable for coaxial illumination, have different working distance and magnification. They are featured for flexible handling and easy Operating.

AOM-130 is mainly used for micro-operating in dental and ophthalmology surgery.

### Technical Specifications

PARAMETER	SPECIFICATION
Observation Angle	45°tilted
Magnification of Observation	6X
Interpapillary Distance	50mm-80mm
Diopter	±5D
Focal Length of Objective	F=200mm and F=300mm two objectives



Magnification Changer	3-step: 0.6X, 1X, 1.6X
Total Magnification	3X-12X
Linear Field	60.8-15.8mm
Fine Focusing Distance	10mm
Fiber-optic Cable	1700mm
Illumination	Coaxial illumination with cold light source fiber-optic cable, brightness adjustable
Lamp	21V/150W halogen lamp
Filter	Build-in green and yellow filter
With beam splitter and TV adapter, C-mount 1/3 inch CCD camera attachable.	
With 2-part arm, counterweight adjustable and can be locked, with floor stand.	
Power supply	AC220V50HZ / AC110V60HZ
Optional Accessories	Demonstrator, Camera (MDCCC200, MTV-73X10, MTV-73X10H, DC-200, VGA200), Photo adapter, Monitor H1766, Objective F=250mm & F=400mm