

Infinity Corrected Optical System

MT500 SERIES

BRIGHTFIELD VETERINARY BIOLOGICAL COMPOUND MICROSCOPES



BRIGHTFIELD VETERINARY

MT5000V SERIES

BRIGHTFIELD VETERINARY BIOLOGICAL COMPOUND MICROSCOPES

Meiji Techno America's Veterinary Series is our Preconfigured Compound Biological Series catered to the Veterinary market. The Veterinary series is a useful tool for any clinical practice. Many Veterinary clinics have in house laboratory microscopes. If you are a starting Veterinarian and in search of the most practical laboratory microscope with a wider field of view and smooth operating mechanical stage with a full suite of Infinity objectives which includes U. Planachromat 4X, 10X, 20X, 40X, S100X oil. Equipped with a Abbe Condenser that has a Numerical Aperture of 1.25, coarse and fine focus knobs with a stage lock and tension adjustment ring and a transmitted LED or Halogen light base that is auto-voltage sensing.

The MT5000 Veterinary Series is ergonomically designed, precisely manufactured in Japan and simple to use, this upright Binocular Biological Compound LED Microscope provides versatility and high quality images for Brightfield observation as you would expect from a Japanese Microscope



MODULAR DESIGN facilitates ATTACHMENT OF A VARIETY OF ACCESSORIES

HD HDMI/USB 2.0 CAMERA ATTACHMENT

Binocular Head with 30° inclination or Optional Ergonomic tilting binocular and trinocular head - Adjustable vertically from 10° to 50°

INTEGRATED AUTOMATIC VOLTAGE SENSING POWER SUPPLY WITH LOCALIZED POWER CORDSET

Footprint : 263 mm(D) x 176mm(W)

Weight & Overall Dimension :

Binocular head type 390 mm(D) x 410 mm(H) x 210 mm(W), 8.0kg Trinocular head type 390 mm(D) x 465 mm(H) x 210 mm(W), 8.7kg

Main power control for the light source. ON and OFF Switch.

Variable Intensity knob increases or decreases the intensity of the light source. By fine-tuning the intensity, you can balance brightness and contrast to see structures more clearly)

Ergonomic X-Y right handed dropdown coaxial control

Low positioned controls allow the operator to work with their forearms relaxed on the working surface so ergonomically placed controls are within easy reach.

Variable Intensity knob increases or decreases the intensity of the light source. By fine-tuning the intensity, you can balance brightness and contrast to see structures more clearly)

Main power control for the light source. ON and OFF Switch.

BRIGHTFIELD BINOCULAR AND TRINOCULAR MODEL SYSTEMS

MODEL	BODY	ILLUMINATOR	EYEPIECES	OBJECTIVES	STAGE	CONDENSER
MT5200LV	Binocular	LED ILLUMINATION KOEHLER AUTO VOLTAGE SENSING 110V-240V	KHW 10X F.N. 22 (O.D. 30mm) PAIRED	INFINITY OPTICAL SYSTEM F = 200mm U PLAN 4X U PLAN 10X U PLAN 40X U PLAN 100X OIL	CERAMIC COATED FLAT-TOP 190mm X 140mm WITH 80mm x52mm X-Y MOVEMENT RIGHT HANDED DROP DOWN COAXIAL CONTROLS	ABBE N.A. 1.25 WITH IRIS IN DOVETAIL MOUNT
MT5200ELV	Ergonomic Binocular					
MT5300LV	Trinocular					
MT5300ELV	Ergonomic Trinocular					
MT5200HV	Binocular					ABBE N.A. 1.25 WITH BLUE FILTER IN DOVETAIL MOUNT
MT5200EHV	Ergonomic Binocular					
MT5300HV	Trinocular					
MT5300EHV	Ergonomic Trinocular					

BRIGHTFIELD TRINOCULAR HDMI/USB 2.0 PACKAGE VETERINARY SYSTEMS

MODEL	BODY	ILLUMINATOR	EYEPIECES	OBJECTIVES	STAGE	CONDENSER
MT5300LV-HD	Trinocular	LED ILLUMINATION KOEHLER AUTO VOLTAGE SENSING 110V-240V	KHW 10X F.N. 22 (O.D. 30mm) PAIRED	INFINITY OPTICAL SYSTEM F = 200mm U PLAN 4X U PLAN 10X U PLAN 40X U PLAN 100X OIL	CERAMIC COATED FLAT-TOP 190mm X 140mm WITH 80mm x52mm X-Y MOVEMENT RIGHT HANDED DROP DOWN COAXIAL CONTROLS	ABBE N.A. 1.25 WITH IRIS IN DOVETAIL MOUNT
MT5300ELV-HD	Ergonomic Trinocular					
MT5300HV-HD	Trinocular					
MT5300EHV-HD	Ergonomic Trinocular					



DESIGNED EXCLUSIVELY
FOR **VETERINARY**
PRACTICES

*Provides versatility and
high quality images
for Brightfield observation*



ERGONOMICALLY DESIGNED
MANUFACTURED
IN **JAPAN**

COMPONENTS AND ACCESSORIES FOR MT5000 SERIES

VIEWING HEAD (without eyepieces)

MA815 Binocular head (Siedentopf type), I.P. adjustment 53mm to 75mm graduated diopter on left eyetube (30.0mm I.D. eyetubes). Inclined at 30°(Included in Models MT5200L, MT5200H, and MT5210H)

MA816 Trinocular head (Siedentopf type), I.P. adjustment 53mm to 75mm graduated diopter on left eyetube (30.0mm I.D. eyetubes). Inclined at 30°.(Included in Models MT5300L, MT5300H, and MT5310H)

MA957 Ergonomic tilting binocular head (Siedentopf type), adjustable from 10° to 50°, I.P. adjustment 53mm to 75mm, graduated diopter on left eyetube (30.0mm I.D. eyetubes)

EYEPieces WITH 30.0MM O.D. TUBE

MA817 SWH10X, Widefield high eyepoint eyepiece, Field No. 22, Tube O.D. 30.0mm (paired), Included in Models MT5200L, MT5300L, MT5200H, MT5300H, MT5210H and MT5310H)

MA818 SWH15X, Widefield high eyepoint eyepiece, Field No. 16.0, Tube O.D. 30.0mm (paired)

MA819 SWH20X, Widefield high eyepoint eyepiece, Field No. 12.0, Tube O.D. 30.0mm (paired)

MA859 SWH10X-F Focusing eyepiece with reticle mount (w/o reticle) Tube O.D. 30.0mm (paired)



ERGONOMIC HEAD

OBJECTIVES INCLUDED IN MT5200V & MT5300V VETERINARY MICROSCOPES

MA830 U Plan Objective 2.5X, N.A. 0.07 W.D. 5.7mm, F.N. 24 (Optional)

MA831 U Plan Objective 4X, N.A. 0.10 W.D. 25.8mm, F.N. 24 (Included)

MA832 U Plan Objective 10X, N.A. 0.25 W.D. 10.7mm, F.N. 24 (Included)

MA833 U Plan Objective 20X, N.A. 0.40 W.D. 7.29mm, F.N. 24 (Included)

MA834 U Plan Objective 40X, N.A. 0.65 W.D. 0.5mm, F.N. 24 (Included)

MA969 Plan Objective 60X, N.A. 0.80 W.D. 0.23mm, F.N. 24 (Optional)

MA837 U Plan Objective 100X, N.A. 1.25 oil, W.D. 0.23mm, F.N. 24 (Included)

BRIGHTFIELD CONDENSER

MA910 Abbe condenser, N.A. 1.25 with iris diaphragm and filter tray, dovetail mount (Included in all Models)

MA910/10 Abbe condenser, N.A. 1.25 with iris diaphragm and filter tray, dovetail mount centerable phase annuli in slider for use with 20X and 40X phase objective (optional)

MA910/15 Abbe condenser, N.A. 1.25 with darkfield stop in slider for use with 20X and 40X brightfield objective with iris diaphragm and dovetail mount.

MA910/10 Abbe condenser, N.A. 1.25 with iris diaphragm and filter tray, dovetail mount

MA976 Plan Apochromat Objective 1.25X, N.A. 0.04, W.D. 3.7mm, F.N. 24



PLANACHROMAT OBJECTIVES

POLARIZER

MA915 Polarizer set for MT5000V Series microscopes

MA915/PT#2 Unmounted 43mm polarizing filter for use with MA1043 Intermediate tube

MA1043 Intermediate tube with built-in analyzer and compensator slot for MT4000V and MT5000V Series (requires a MA915/PT#2 43mm polarizing filter)

FILTERS

MA856/05 LB100 Blue Clear filter 40mm diameter, unmounted (Included in all Halogen illuminator models) (Included with MT5200H, MT5300H, MT5210H & MT5310H)

MA857/05 Green filter, clear, 40.0mm diameter, unmounted

MA858/05 ND25 Neutral density filter, 40.0mm diameter, unmounted



POLARIZER SET

REPLACEMENT STAGES AND COMPONENTS

MA918R Ceramic coated flat-top stage, 78mm x 52mm, X-Y movement, with right hand drop-down coaxial controls. (Included in Models MT5200L, MT5300L, MT5200H, MT5300H, MT5310H, and MT5310L)

MA918L Ceramic coated flat-top stage, 78mm x 52mm, X-Y movement, with left hand drop-down coaxial controls. (Included in Models MT5200L, MT5300L, MT5200H, MT5300H, MT5310H, and MT5310L)

MA598 Attachable finger assembly for MA918R and MA918L

MA676 Attachable clinical specimen holder for MA918R and MA918L



ARKFIELD CONDENSER AND OBJECTIVES WITH IRIS DIAPHRAGM

EYEPiece MICROMETERS (25MM DIAMETER) FOR USE WITH MA817 SWH10X EYEPiece

MA598 Cross-line reticle, 25mm diameter

MA506 10mm divided into 100 units, 25mm diameter

MA509 5mm divided into 100 units, 25mm diameter

MA524 10mm square into 400 parts, 0.5mm square, 25mm diameter

MA510 10mm square into 100 parts, 1.0mm square, 25mm diameter

MA542 Cross line with 0 1mm graduation 25mm diameter

HDMI-USB 2.0 CAMERAS WITH 11.8" MONITOR

Requires 0.5 CAdapter Model MA151/35/03

HD1000-LITE-M Affordable Color HD 5MP CMOS 15FPS/ HDMI/ USB 2.0 Camera /Annotation & Measurement Software with 11.8IN HDMI monitor.

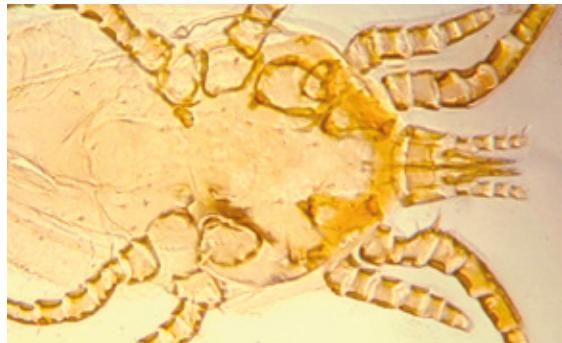
HD1500T-M Color HD 6MP CMOS 60FPS/ HDMI/ USB 2.0 Camera/Annotation & Metric Measurement Software with 11.8IN HDMI monitor.

HD1500MET-M Color HD 6MP CMOS 60FPS/ HDMI/ USB 2.0 Camera/Annotation & Metric Measurement Software with 11.8IN HDMI monitor.

HD1500MET-AF-M Autofocus HD 6MP CMOS 60FPS/ HDMI/ USB 2.0 Camera/Annotation & Metric Measurement Software with 11.8IN HDMI monitor.

PHOTO/VIDEO ATTACHMENT

MA958 Photo/Video attachment with sliding 80/20 beam splitter For use with video or digital cameras when MA957 ergonomic head is used (included in MT5300ED)



DOG MITE – Observed at 40X Objective Magnification with MT5300EHV Microscope

COMPONENTS & ACCESSORIES FOR MT5000V SERIES

EYEPIECE MICROMETERS (FOR USE WITH MA407 EYEPIECE)

MA284 Cross-line reticle, 21mm diameter

MA255 Eyepiece micrometer, 10mm divided into 100 units, 21mm diameter

MA256 Eyepiece micrometer 5mm divided into 100 units, 21mm diameter

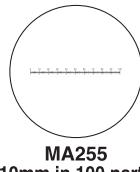
MA283/05 10mm square divided into 100 parts, 1.0mm square, 21mm diameter

MA540 Cross-line with 0.1mm graduations, 21mm diameter

MA254/05 Walton and Beckett reticle 21mm diameter



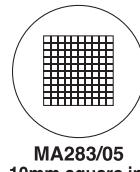
MA284
Cross-line



MA255
10mm in 100 parts



MA256
5mm in 100 parts

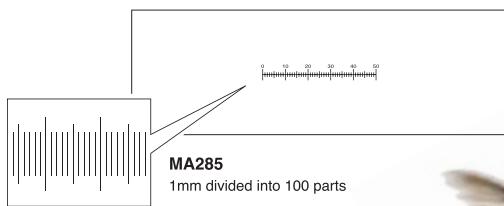


MA283/05
10mm square in
100 square

STAGE MICROMETERS

MA285 Glass micrometer, 0.01mm ruling

MA286 Glass micrometer, 0.04" divided into 40 units, 0.001"



MA285
1mm divided into 100 parts



MT5300ELD-HD

REPLACEMENT FUSE AND BULB

LED/SP-1 3W LED, 5500K color temperature (transmitted bulb)

MA929 Spare Fuse 0.5A for LED Illuminator

POWER CORDS

MA809/10 Removable AC Electric cord with plug for 115V models (Included in all 115V models)

MA809/20 Removable AC Electric cord with plug for 220V models (Included in all 220V models)

MISCELLANEOUS

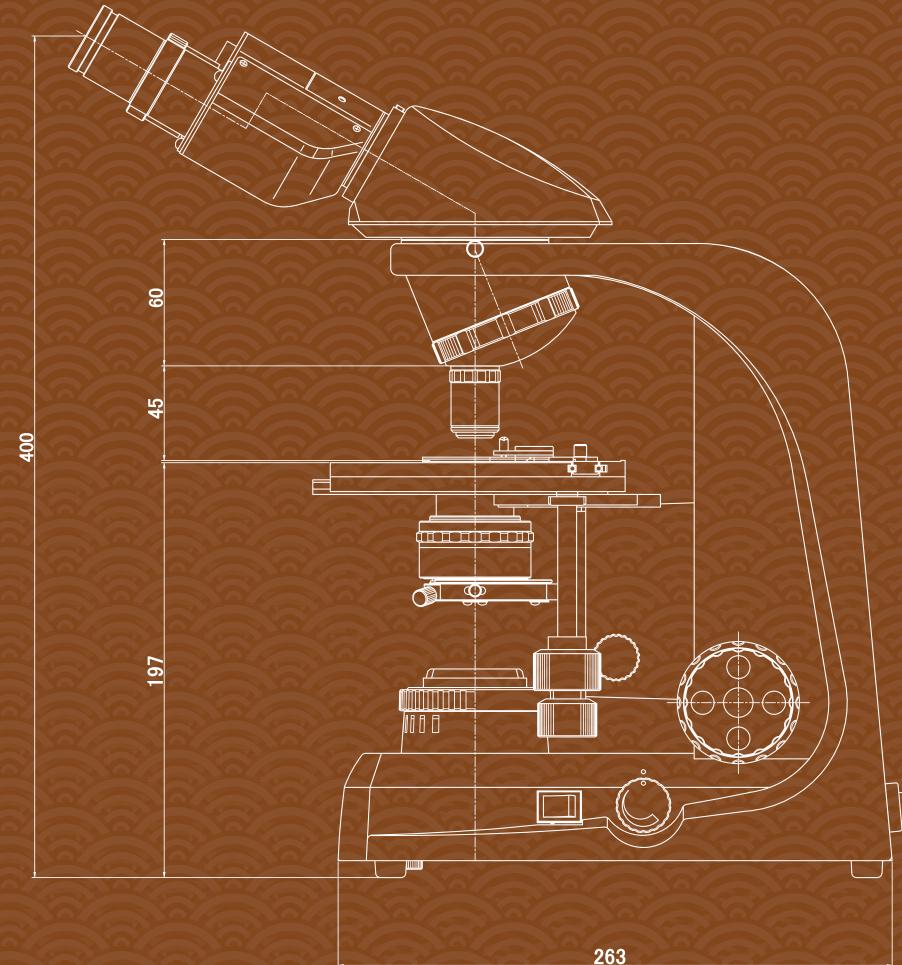
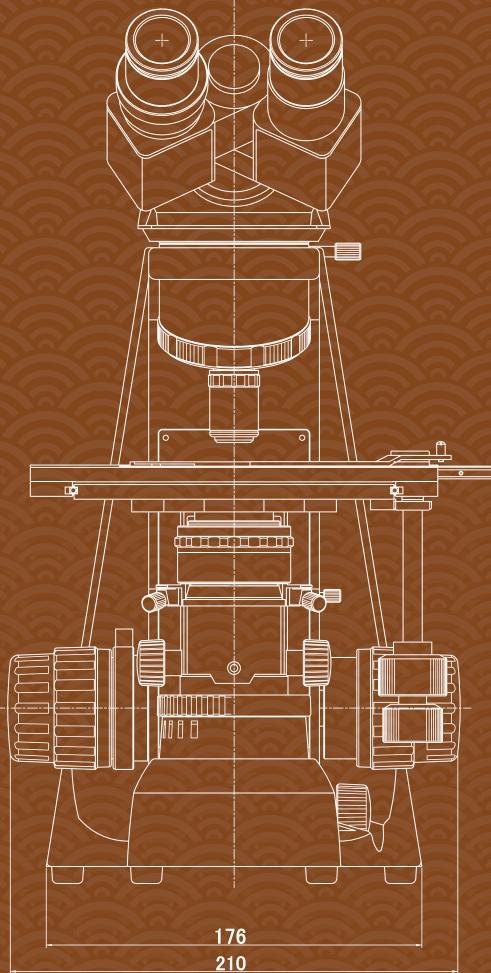
MA701 Dust Cover for MT5000D Series

MA701AS Blue Anti-static and wahavle dust cover size 22"x 21"

MA906 Eyeshields for MA817 SWH 10X eyepieces (each)



For further information
about the MT5000V
Series, scan this QR code.



Specifications and design subject to change without notice for improvements

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