



This is a guide to the Ultra-High Resolution 4K Resolution Video Microscope

The microscope is designed for attended and unattended use in museum and study centres.

The microscope can be used for different applications using a series of accessories and modules.

The different configurations are shown in our popular configuration section within our website.

Detailed descriptions of the individual components are shown below.

Item	Description	Specification
VIP 4K Microscope	Zoom Microscope Imaging Module with Support Arm, including LED top light	<ul style="list-style-type: none"> • Zoom Magnification Range 2~40x /Field of View 13~130mm • Image resolution 3840 x 2016 pixels • Frame Rate 30FPS • Working Distance 250mm • Maximum Specimen Height 100mm • Rugged Construction Support Arm • Built-in LED Illuminator • Operating Environment -10 to 50 Deg C • Operating Humidity 30-80% • Weight 12.5 Kg • 2-button Rear Panel Buttons Power ON/OFF and Illuminator ON/OFF • Hidden Wires • 120-240V input to 12V / 5A output, Power supply and hidden connector • HDMI hidden output connector • Support Arm can be attached to benchtop or microscope base with 4 x M6 Bolts (supplied). • See website dimensions page

Digital Imaging	Module & Software	<p>Replaces standard 2-button rear panel</p> <ul style="list-style-type: none"> • 2-button panel plus USB-C Flash Drive Connector USB-C Mouse Control • Wireless Mouse • Image Capture & Control Initiated by insertion of mouse controller (<i>can be removed to disable this function</i>) • On-screen Interactive Imaging Controls using mouse interface • Still Image Format JPEG / TIFF 8MB • Movie Image Format MP4 Encoded Video Format, 8 MP (3840x2160), 30fps • Selectable on-screen operating languages English, Simplified Chinese, Traditional Chinese, Korean, Thailand, French, German, Japanese, Italian and Russian
VIP Microscope Base without Illumination	Stable Support Base	<ul style="list-style-type: none"> • Rugged Stable Design with Delrin hard wearing insert • Composite Waterproof Construction • Dimensions 545mm (D) x 406.4mm (W) x 32.2mm (D) • Secured to support arm via 4x M6 Bolts (<i>Can be extended to include securing to Benchtop</i>)
VIP Microscope Base with LED Illumination	Stable Support Base with LED Illumination	<ul style="list-style-type: none"> • Rugged Stable Design • Composite Waterproof Construction • Dimensions 545mm (D) x 406.4mm (W) x 32.2mm (D) • Secured to support arm via 4x M6 Bolts (<i>Can be extended to include securing to Benchtop</i>) • Includes Circular Insert with LED Illumination. ON/OFF controlled from Rear Panel.
Attachable Rotating Carousel (includes one of the following inserts)	Circular Carousel with Base plate for attachment to Microscope Base	<ul style="list-style-type: none"> • Rugged Circular Rotating Carousel to accept inserts. • Protects Samples from accidental damage • Attachment via 2 x M6 Bolts • Circular Acrylic Cover secured with 3 x screws (Spare parts, shown below) • Internal Carousel diameter 250mm x 50mm depth • Compatible with Illuminated and Non-Illuminated Microscope Bases • Acrylic Inserts available with 2 / 3 / 4 / 5 / 6 / 8 divisions plus 4 x Petri dishes (90mm diameter) and 8 x 25x75mm Microscope Slides
Carousel Insert 2 divisions	2-Division Insert	<ul style="list-style-type: none"> • 250 mm diameter Acrylic Insert with 2 divisions
Carousel Insert 3 divisions	3-Division Insert	<ul style="list-style-type: none"> • 250 mm diameter Acrylic Insert with 3 divisions
Carousel Insert 4 divisions	4-Division Insert	<ul style="list-style-type: none"> • 250 mm diameter Acrylic Insert with 4 divisions
Carousel Insert 5 divisions	5-Division Insert	<ul style="list-style-type: none"> • 250 mm diameter Acrylic Insert with 5 divisions
Carousel Insert 6 divisions	6-Division Insert	<ul style="list-style-type: none"> • 250 mm diameter Acrylic Insert with 6 divisions
Carousel Insert 8 divisions	8-Division Insert	<ul style="list-style-type: none"> • 250 mm diameter Acrylic Insert with 8 divisions
Carousel Insert 4 x 90mm Petri Dishes	4 x 90mm Dia Petri Dish Insert	<ul style="list-style-type: none"> • 250 mm diameter Acrylic Insert with recesses for 4 x 90mm diameter Petri Dishes
Carousel Insert 8 x 25x75mm Slides	8 x 25x75mm Slides	<ul style="list-style-type: none"> • 250 mm diameter Acrylic Insert with recesses for 8 x 25x75mm Microscope Slides
Polarising Filters (Above and below the sample)		Ask for more details
Rotation Sample Stage		Ask for more details

<p>Attachable Glide Stage</p>		<ul style="list-style-type: none"> • Heavy Duty Stage providing seamless X-Y movement for top illuminated samples. • Smooth Movement, manually operated for reliable operation • Movement range covers the entire viewing area beneath the lens. • Includes mounting frame for the VIP microscope or directly to benchtop. • Stage Dimensions 380 x 230mm • Travel Dimensions 300 x 200mm • Weight 15 Kg <i>(Not recommended for portable installations)</i>
<p>Quick Assembly Support Bracket</p>		<ul style="list-style-type: none"> • Quick Assembly Bracket. Perfect for locations that use the VIP microscope for teaching or presentations where the microscope requires quick assembly and disassembly. • Easy one-time installation, bolts and tools are included in kit. • Once installed, the microscope can be assembled in seconds. • Microscope stays securely attached to stand until the pin is removed. • Optional locking pin available that requires a key for removal. • Uncoated stainless-steel finish to hold up to constant use.
<p>Custom Colour Change</p>		<ul style="list-style-type: none"> • Change the colour of the microscope imaging module and support arm to suit your display design. • Select the RAL reference for the colour that you need.

Specifications are approximate. Please request a quotation for an up-to-date confirmation.