






With the M90UHD, you can display...





-  Film slides / Filmstrips
-  Real-time movements
-  Documents
-  3D objects
-  X-rays

INPUT



OUTPUT

Show images to your audience through...

-  Interactive flat panel
-  TV monitor
-  Projection screen
-  Digital monitor

### Product Specifications

Part no. 61PM500000AB (EU & UK sku)  
EAN code 4719552126309

<b>Image Sensor</b>	1/3.06" CMOS	<b>Light Source</b>	Embedded LED Lamp
<b>Total Pixels</b>	13 Megapixels	<b>HDMI I/O</b>	1 in; 1 out
<b>Output Resolution</b>	4K, Full HD 1080p 60Hz, HD 720p 60Hz	<b>VGA I/O</b>	1 in; 1 out
<b>TV Lines</b>	1,400	<b>USB 2.0 Ports</b>	Type-A x 1 (USB Thumb Drive) Type Mini-B x 1 (PC)
<b>Zoom</b>	322X Total Zoom (14X Optical Zoom x 23X Digital Zoom)	<b>Audio</b>	Line out (3.5 mm), Mic in (3.5 mm), Built-in Mic
<b>Frame Rate</b>	60fps (max.)	<b>Security</b>	Kensington Slot
<b>Focus</b>	Auto / Manual	<b>RS-232 Port (Optional)</b>	Mini-DIN Jack (Available for M90UHD with RS-232 Only)
<b>Shooting Area</b>	A3 (420 x 315 mm max.)	<b>Dimensions (W x D x H)</b>	Operating: 159.0 x 481.3 x 469.9 mm Folded: 176.0 x 319.0 x 112.0 mm
<b>Image Rotation</b>	Electronic: 0°, 180° Mechanical: 0°, 90°, 180° (Camera Head)	<b>Net Weight</b>	2.2 kg (4.85 lbs.)
<b>Internal Storage</b>	200 Pictures at XGA (1024 x 768)	<b>Power Source</b>	DC 5V / 3A AC 100 to 240V, 50 / 60Hz
<b>External Storage</b>	Micro SD Card & USB Thumb Drive (FAT32 / 32 GB)	<b>Power Consumption</b>	10 Watts (Lamp on), 9 Watts (Lamp off)
<b>One-touch Recording</b>	Yes	<b>Warranty</b>	Visualiser: 5 Years Accessories: 1 Year
<b>One-touch Capturing</b>	Yes	<b>Software</b>	AVerTouch
<b>Image Effects</b>	Color, B&W, Negative	<b>Windows® OS</b>	Windows® 7, 10
<b>Image Adjustments (White Balance / Exposure)</b>	Auto / Manual	<b>Mac® OS</b>	Mac® 10.13 or Later
<b>Display Modes</b>	Normal, Motion, High Quality, Microscope, Macro, Infinity	<b>Chrome™ OS</b>	Chrome™ OS 75 or Later (Available via the Sphere Lite App Only)
<b>Capture Modes</b>	Single, Continuous	<b>Package Contents</b>	M90UHD Unit, USB Cable, VGA Cable, Power Adapter (5V / 3A), Power Cable, Remote Control with AAA Batteries x 2, Warranty Card, Quick Start Guide, CD
<b>User Profiles</b>	Yes, up to 3		
<b>Timer</b>	Yes		
<b>Flicker Filter Control</b>	Yes		
<b>ePTZ</b>	Yes		
<b>Optional accessories</b>	Microscope Adaptor, Connecting Plate for Microscope Adaptor, Anti-Glare Sheet, Carrying Bag, RS-232 Cable		

\* Available in non-USA markets only.  
\*\* Specifications may vary depending on location and are subject to change without notice.

### Product Appearance

Front



Light  
Camera

Right Panel



Audio Out  
MIC In  
Mini USB 2.0 for PC  
VGA Out  
VGA In  
USB Port

Rear Panel



HDMI In  
HDMI Out  
Kensington Slot  
DC 5V

Left Panel



SD card Slot



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Distributor/Dealer



# AVerVision M90UHD

Mechanical Arm Visualiser  
(Document Camera)



# SEE A WORLD IN A GRAIN OF SAND

The M90UHD is a visualiser with an impressive lineup of features that include a 13-megapixel camera, 4K imaging, and a transcendent 322X total zoom capacity. These characteristics help teachers demonstrate all types of materials in an extraordinarily vivid way. What's more, instinctive function buttons, an extendable arm, and AVerTouch software allow teachers of any subject to create fantastic collaborations in next to no time.



14X  
Optical Zoom



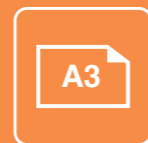
4K Ultra HD



13 MP



60fps



A3  
Shooting Area



HDMI / VGA / USB  
Outputs



5-Year  
Warranty

## The Only 322X Total Zoom

Equipped with a 14X optical and 23X digital zoom, the M90UHD's amazing 322X total zoom buries the competition. Every student—even the ones in the back row—can enjoy a wonderful learning journey without missing a single detail.



## Splendid 4K Image Quality

Ultra HD output resolution and 13 megapixels display every subtle detail of topographical maps, chemical experiments, stereo models, and more. This clarity improves teaching quality and enhances student comprehension.



## One-Push Recording, Capturing, and Playback

Intuitive recording and capturing enable users to record the complete teaching process with one button. Also, the playback function lets teachers review their lessons and examine student behavior to successfully prevent any accidents.



## Massive A3 Shooting Area

A larger than A3-size shooting area captures items as big as building models. In addition, the position indicator on the camera head helps teachers always display materials accurately.



## Multiple Ports Fit Any Device

With HDMI, VGA, and USB jacks available, users can connect the M90UHD to any display or computer and use the devices they're most familiar with to teach.



## AVerTouch Software Take Your Ideas Anywhere

AVerTouch is ultra-powerful software designed exclusively for AVer visualisers. One touch connects your visualiser with mobile devices for content sharing, and you can sync to the cloud to automatically save annotated, captured, and recorded files. Teaching is incredibly fun when you use AVerTouch to engage with your students.

