

### VZ-2.UHD Document Camera



# Outstanding imaging technology for education

VZ-2.UHD Document Camera / Visualizer

The VZ-2.UHD Visualizer system demonstrates that simplicity truly is the ultimate sophistication. Drawing on more than 50 years' experience and expertise, we have engineered a superb new entry level document camera system, ideal for inspiring creative teaching and learning, both inside and outside of the classroom.

This elegant, compact, affordable system, features outstanding picture quality, plus the same robust design, and unrivalled ease of use, that is found throughout the entire WolfVision product line. It is a first-class 'live' imaging tool, equally suitable for supporting in-classroom, online or hybrid learning environments.

**Driving Knowledge Creation** 



### **Our Vision**

When you've got something to say, we believe it is important that getting your message across and making an impact should be as easy as possible.

Our aim is to help you to explain it better, to give you the freedom to share your knowledge and collaborate with others - however you want, and whenever you want, when your audience is in the same room or on the other side of the world.

Because knowledge matters to all of us.

# Advanced yet simple

#### **4K** Stunning picture quality!

Bring your classes to life using our ultra-high resolution 4K UHD camera with 30 frames per second (60 fps in all other resolutions), ensuring smoothness of motion, and an outstanding image resolution of 1300 lines.



#### Versatile zoom range

With 24x Zoom even the finest details are easily shown onscreen. This Visualizer handles both A4 portrait and A3-sized materials, and delivers the incredible, crisp, true-to-life on-screen images that students remember long after the session is over.



#### Shake-free imaging!

Simply touch the unit to appreciate its solid construction. Unlike other compact doc cams, it doesn't wobble when you operate it. Onscreen images are always shakefree, ensuring there are no onscreen distractions for students.



#### Imaging around the room!

Using the normal working area, filming yourself, or even picking up an object from behind the Visualizer are all possible using the 192° rotating camera.



#### **Energy efficient**

The VZ-2.UHD is extremely energy efficient, using only 18 watts in operating mode. It can also be configured to switch off automatically at a pre-defined time if required.



#### No need to adjust the light!

Powerful fixed LED lights provide smooth, natural illumination, optimised for every part of the pickup area. Hotspots are eliminated, and on-screen images are tack sharp and distortion-free, even at the edges of the displayed image.



#### Remote management tools

The VZ-2.UHD unit has a network interface which enables it to be used with our vSolution Link Pro software, providing easy remote setup, monitoring, management and updating of large numbers of devices.

#### Visualizers built to last

High quality components for outstanding mechanical quality, durability, and reliability, plus a 5 year warranty. These Visualizer systems are built to last!





## Capture, Share, Inspire



#### Flexible solution for hybrid learning

Use the 4K UHD rotating camera as a webcam for a flexible web conferencing experience. Switch camera positions easily between your content materials and yourself as and when needed.

#### Even better when combined!

Use our dedicated app to send your Visualizer images to your interactive whiteboard. Add them easily into classroom sessions, and even control your Visualizer using your interactive whiteboard.





#### Outstanding connectivity options

With HDMI In and HDMI out ports plus a LAN network interface, it's easy to integrate the VZ-2.UHD into your setup. The USB 2.0 host port is useful for saving images onto a USB stick and the USB 3.0 device port can be used for connecting to a computer.

#### Designed for ease of use

Continuous autofocus ensures on-screen images always look superb, and the convenient built-in touchscreen user interface ensures quick and easy operation of all controls.



### **Technical specifications**

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Election packed oranne service     3884 > 2182 (paper, 8.47 megacikeli)       Native signar orange orange discussion organization orange orange discussion and the service orange discussion orange discussion and the service orange discussion orange discussion and the service orange discussion orange discussion and the service orange discussion orange discussion orange discussion and the service orange discussion orange discussion orange discussion discussion discussion discussion discussion and discussion discussion discussion discussion discussion discussion discussion discussion discussion discussion discussion discussion discussion discussion discussion discussion discussion discussion discussion discusion disc		CMOS 1/2.8" 4K UHD 30 frames per second (60 fps in all other resolutions)
Convented vedeescen cutput signals (16.8 and 16.10)     1080p FHD (120 x 1080), 720p HD (120 x 723)       Image resolution     1300 lines       Explicitness control     Automatic and manual       White balances adjustment     Automatic and manual       Adjustable colour settings     Veis       Facial modes     High measure adjustment       Adjustable colour settings     Veis       Facial modes     High measure adjustment       Adjustable colour settings     Veis       Facial modes     High measure adjustment       On-screen meau     Veis, tocal/screen with wayee-through meanu & facesword-protected ad networded functions       Veis color face functions     Veis, tocal/screen with wayee -through meanu & facesword-protected ad networded functions       Veis color face functions     Veis, tocal/screen with wayee -through meanu & facesword-protected ad networded functions       Veis color face functions ad protections     Veis, tocal/screen with wayee -through meanu & facesword-protected ad networded functions       Veis color face functions ad protection and wording surface     Veis, tocal/screen with wayee -through meanu & facesword-protected ad networded       Mass do face function ad wording surface     Length: 50 mm, Woth: 427 mm.       Mass do face function ad wording surface     Length: 50 mm, Woth:		3864 × 2192 (approx. 8.47 megapixels)
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Participants     Automatic and manual       White balance adjustment     Automatic and manual       Adjustation coduri settings     Net       Adjustation coduri settings     Net       On-sinteen manu     Net, touchacineen with insper-through minu & password-protected ischanood functions       On-sinteen manu     Net, touchacineen with insper-through minu & password-protected ischanood functions       Visibilitor Link Pro activerse for menote management & firmwere updates     Net, included (Windows 10, Windows Server 2012 R2 & 2018, Windows Web Server, mac/CS)       First firmere updates     Yes, included (Windows 10, Windows Server 2012 R2 & 2018, Windows Web Server, mac/CS)       Total Link Pro activerse for menote management & firmwere updates     Yes, included (Windows 10, Windows Server 2012 R2 & 2018, Windows Web Server, mac/CS)       Total Link Pro activerse for menote management & firmwere updates     Yes, included (Windows 10, Windows Server 2012 R2 & 2018, Windows Web Server, mac/CS)       Total Link Pro activerse for menote management & firmwere updates     Yes, included (Windows 10, Windows Server 2012 R2 & 2018, Windows Web Server, mac/CS)       Max stor of pick pro area outsite of working surface     Langth: 35 mm, Width: 473 mm       Max stor of pick pro area outsite of working surface     Langth: 15 mm, Width: 27 mm       Depth of flocus on areal object (VE2 X3 mm)     Gorm       Lip	Converted widescreen output signals (16:9 and 16:10)	1080p FHD (1920 x 1080), 720p HD (1280 x 720)
White balance adjustment     Automatic and manual       Adjustable colur settings     Yes       Focus modes     High speed continuous autobious, manual bous       One-accent menu     Yes, iscubicatione with swipe-through menus, basewort-protected advanced functions       Sociation Link Pro-schwase for sende management & framwase updates     Yes, iscubicatione with swipe-through menus, basewort-protected advanced functions       Wax, object hight on working surface     10 - 270 mm (Tes / Ved)       Xex, object pares     Unimited       Max, size of pick-up area     Length: 355 mm, Width: 473 mm       Max, size of pick-up area with optical zoon)     Length: 55 mm, Width: 473 mm       Min, see of pick-up area with optical zoon)     Length: 10 mm, Width: 58 mm       Min, see of pick-up area with optical zoon)     Length: 10 mm, Width: 27 mm       Min, see of pick-up area with optical zoon)     Length: 10 mm, Width: 27 mm       Depth of focus on small object (62 x 23 mm)     30 mm       Depth of focus on small object (62 x 33 mm)     30 mm       Depth of focus on small object (62 x 33 mm)     30 mm       Depth of focus on small object (62 x 20 mm)     60 mm       Length: 10 mm, Width: 27 mm     10 - 270 mm (Width: 27 mm)       Depth of focus on small object (62 x 33 mm)	Image resolution	1300 lines
Adjustable colour settings     Yes       Focus modes     High speed continuous autotoous, manual focus       On-seem menu     Yes, touchooreen with swice-housus autotoous, manual focus       Volution Link Prosolware for remote management & firmware updates     Yes, included Windows 10. Windows Stewer 2012 PZ & 2016, Windows Webb Server modOS)       Free firmware updates     Yes, via USB, LAN, and vSolution Link Pro       Zoom / Lens type     24-2 Coom (12x optical, 2x digital) / Wide angle F-3.17       Max. doted height on working surface     110 - 270 mm (Rev / Wide)       Max. size of pick-up area outside of working surface     Unlimited       Max. size of pick-up area outside of working surface     Unlimited       Max. size of pick-up area outside of working surface     Unlimited       Max. size of pick-up area outside of working surface     Unlimited       Max. size of pick-up area outside of working surface     Unlimited       Max. size of pick-up area outside of working surface     Unlimited       Max. size of pick-up area outside of working surface     Unlimited       Max. size of pick-up area outside of working area     Unlimited       Depth of tocas on surfa optical, Zx dimm     Offer       Depth of tocas on surfa optical, Zx dimm     Offer       Depth of tocas o	Brightness control	Automatic and manual
Adjustable colour settings     Yes       Focus modes     High seed continuous autofocus, manual focus       Conscreen menu     Yes, Lourbacerow Hith wayee through meru, Baseword protected advanced functions       visiolinto Link No software for remote management & firmware updates     Yes, via USB, LAN, and visiolinto Link Pro       Zoom / Laws type     244-Zoom (12x, optical, 2x digital). Wile angle 16-3.17       Max, object height on working surface     Length: 350 mm, Width: 473 mm       Max, size of pick-up area     Length: 350 mm, Width: 473 mm       Max, size of pick-up area outside of working surface     Unimited       Min, size of pick-up area outside of working surface     Length: 350 mm, Width: 473 mm       Max, size of pick-up area outside of working surface     Unimited       Min, size of pick-up area outside of working surface     Length: 35 mm       Min, size of pick-up area outside of working surface     Visit, Yes       Dight of focus on allerage digkt 260 x270 mm     Longth: 15 mm, Width: 27 mm       Dight of focus on allerage digkt 260 x270 mm     Toff mm       Dight of focus on allerage object (260 x270 zm)     Toff mm       Vick Working, unacex, macKells, PIPI (Pickte Transfer Protocol)     Yes       Vick Working, unacex, maxells, PIPI (Pickte Transfer Protocol)     Yes </td <td></td> <td>Automatic and manual</td>		Automatic and manual
On-screen menu     Yes, touchscreen with swipe through menu & password-protected advanced kunctors       visioution Link Pro software for remote management & firmware updates     Yes, included Windows 10, Windows Sever 2012 R2 & 2016, Windows Web Server, macc06)       Free Imware updates     Yes, included Windows 10, Windows 2002 R2 & 2016, Windows Web Server, macc06)       Wax, object height on working surface     110 - 270 rm (Tele / wide)       Max, object height on working surface     Unlimited       Max, size of pick-up area outside of working surface     Unlimited       Min, size of pick-up area outside of working surface     Unlimited       Min, size of pick-up area outside of working surface     Unlimited       Min, size of pick-up area outside of working surface     Unlimited       Min, size of pick-up area (with digital zoom)     Length: 15 mm, Width: 27 mm       Depth of focus on small object (24 x 33 mm)     30 mm       Depth of focus on surga object (380 x 270 mm)     100 mm       Light source     Acjustment-free, maintenance-free LED light system       Refection free pickup area     Yes, 192', for free ging to the tent or remote the unit       UCC (Window, Linux, maccOS, IPTP Pickup Transfer Protocol     Yes       Volus, Hours, maccOS, PTP Pickup Transfer Protocol     Yes       UCC (Window, Linux, ma		Yes
vblution Link Pro software for remote management & firmware updates     Yes, via USB, LAN, and vSolution Link Pro       Zoom / Lens type     24x Zoom (12x optical, 2x digital / Wide argie f-3.17       Max. object height on working surface     110 - 270 mm (Tele / Wide)       Max. size of pick-up area     Length: 550 mm, Width: 73 mm       Max. size of pick-up area     Unlimited       Min. size of pick-up area outside of working surface     Unlimited       Min. size of pick-up area outside of working surface     Unlimited       Min. size of pick-up area outside of working surface     Unlimited       Min. size of pick-up area outside of working surface     Unlimited       Min. size of pick-up area (with digital zoom)     Length: 15 mm, Width: 27 mm       Depth of focus on smal object (42 X 33 mm)     30 mm       Depth of focus on smal object (42 X 33 mm)     30 mm       Depth of focus on smal object (42 X 33 mm)     30 mm       Depth of focus on smal object (42 X 33 mm)     30 mm       Depth of focus on smal object (42 X 33 mm)     30 mm       Depth of focus on smal object (42 X 33 mm)     30 mm       Depth of focus on smal object (42 X 33 mm)     30 mm       Depth of focus on smal object (42 X 33 mm)     30 mm       Depth of focus	Focus modes	High speed continuous autofocus, manual focus
vSolution Link Pro software for menote management & firmware updates     Yes, included (Windows 10, Windows 20 are 2012 P2.8.2016, Windows Web Sarver, nac.OS)       Pree firmware updates     Yes, wa USS, LAN, and VSolution Link Pro       Zoom / Lens type     24x Zoom (12x optical, 2x digital) (Wide angle fn-3.17       Max, object height on working surface     Length: 355 mm, Width: 473 mm       Max, size of pick-up area outside of working surface     Unlimited       Min, size of pick-up area (with optical zoom)     Length: 35 mm, Width: 57 mm       Min, size of pick-up area (with optical zoom)     Length: 15 mm, Width: 27 mm       Depth of focus on large object (860 x 270 mm)     100 mm       Lepth of focus on large object (860 x 270 mm)     100 mm       Lepth of focus on large object (860 x 270 mm)     100 mm       Lepth of focus on large object (860 x 270 mm)     100 mm       Lepth of focus on large object (860 x 270 mm)     100 mm       Lepth of focus on large object (860 x 270 mm)     100 mm       Lepth of focus on large object (860 x 270 mm)     100 mm       Lepth of focus on large object (860 x 270 mm)     100 mm       Lepth of focus on large object (860 x 270 mm)     100 mm       Lepth of focus on large object (860 x 270 mm)     100 mm       Lepth of focus on large	On-screen menu	
Zonn / Lens type     244 Zoon (12x optical, 2x digital) / Wide angle 1=3.17       Max. object height on working surface     110 - 270 mm (Tele / wide)       Max. size of pick-up area     Length: 355 mm, Width: 473 mm       Max. size of pick-up area outside of working surface     Unlimited       Min. size of pick-up area outside of working surface     Unlimited       Min. size of pick-up area (with optical zoom)     Length: 30 mm, Width: 27 mm       Depth of focus on small object (42 x 33 mm)     30 mm       Depth of focus on large object (80 x 270 mm)     100 mm       Light source     Adjustment-free, maintenance-free LED light system       Reflecton-free pickup area     Entre working area       Vick Mindows, Linux, mexDS, PTP Picture Tensfer Protocol     Yes       Vick Mindows, Linux, mexDS, PTP Picture Tensfer Protocol     Yes       Patiating camera head     Yes, 192°, for imaging to the fond or near the unit       User programmable presets     3       Inage memory     63B Internal memory + unlimited storage on USB stick.       External computer input / Input switch     1x HDM In       Built- indigital scalar for the computer input     Yes (processes the signal from HDM input)       Inputs / Outputs     1x HDM In       Length:	vSolution Link Pro software for remote management & firmware updates	
Max. object height on working surface 110 - 270 mm (fele / wide)   Max. size of pick-up area Length: 355 mm, Width: 473 mm   Max. size of pick-up area (with optical zoom) Length: 30 mm, Width: 53 mm   Min. size of pick-up area (with optical zoom) Length: 15 mm, Width: 27 mm   Depth of focus on small object (42 x 33 mm) 30 mm   Depth of focus on small object (42 x 33 mm) 30 mm   Depth of focus on large object (360 x 270 mm) 100 mm   Light source Adjustment-free, maintenance-free LED light system   Reflection-free pickup area Entire working area   UVC (Windows, Linux, macOS), PTP (Picture Transfer Protocol) Yes   Potating camera head Yes, 192°, for imaging to the front or rear the unit   User programmable presets 3   Image memory 6BB internal memory + unlimited storage on USB stick   Latimal digital scaler for the computer input Yes (processes the signal from HOMI input)   Inputs / Outputs Ya HOMI In, 1x USB 3.0 device port, 1x USB 2.0 host port, 1x LAN port   LAN web interface Yes (Vis LAN and USB)   Dimensions in operation (Lx W x H) 225 x 175 x 410 mm   Weight 1.70 kg   Anti-therd kerkes Fuck (Kensington® Lock) and table lock bolt   Power External devices power pack 12% multi range 100-2400/18W (length of power cord 1.5m)   Indu	Free firmware updates	Yes, via USB, LAN, and vSolution Link Pro
Max. size of pick-up area Length: 355 mm, Width: 473 mm   Max. size of pick-up area outside of working surface Unlimited   Min. size of pick-up area (with optical zoom) Length: 30 mm, Width: 50 mm   Min. size of pick-up area (with optical zoom) Length: 15 mm, Width: 27 mm   Depth of focus on small object (42 x 30 mm) 30 mm   Depth of focus on small object (42 x 30 mm) 30 mm   Depth of focus on small object (42 x 30 mm) 100 mm   Light source Adjustment-free, maintenance-free LED light system   Reflection-free pickup area Entire working area   UVC (Mindows, Linux, macOS), PTP Picture Transfer Protocol Yes   Rotating camera head Yes, 192°, for imaging to the front or rear the unit   User programmable presets 3   Image memory GGB internal memory - unlimited storage on USB stick   External computer input / hput switch 1x HDM In   Euli-in digital scaler for the computer input Yes (processes the signal from HDMI input)   Inputs / Outputs 1x HDM In, tx USB 3.0 device port, 1x USB 2.0 host port, 1x LAN port   LAN web interface Yes (processes the Signal from HDMI input)   Inputs / Outputs 1x HDM In, tx USB 3.0 device port, 1x USB 2.0 host port, 1x LAN port   LAN web interface Yes (vicesses to CSD menu, but no live image and controls)   Roear control APIs available for contorlin	Zoom / Lens type	24x Zoom (12x optical, 2x digital) / Wide angle f=3.17
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Light sourceAdjustment-free, maintenance-free LED light systemReflection-free pickup areaEntire working areaUVC (Windows, Linux, mac/OS), PTP (Picture Transfer Protocol)YesRotating camera headYes, 192°, for imaging to the front or rear the unitUser programmable presets3Image memory8GB internal memory + unlimited storage on USB stickExternal computer input / Input switch1x HDMI InBuilt-in digital scaler for the computer inputYes (processes the signal from HDMI input)Inputs / Outputs1x HDMI Out, 1x HDMI In, 1x USB 3.0 device port, 1x USB 2.0 host port, 1x LAN portLAN web interfaceYes (access to OSD menu, but no live image and controls)Room control APIs available for controllingYes (via LAN and USB)Dimensions in operation (L x W x H)225 x 175 x 410 mmWeight1.70 kgAnti-theft devicesT-Lock (Kensington® Lock) and table lock boltPowerExternal desktop power pack 122: multi range 100-2400,18W (length of power cord 1.5m)Included accessoriesDry-erase working surface	Depth of focus on small object (42 x 33 mm)	30 mm
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Rotating camera headYes, 192°, for imaging to the front or rear the unitUser programmable presets3Image memory8GB internal memory + unlimited storage on USB stickExternal computer input / Input switch1x HDMI InBuilt-in digital scaler for the computer inputYes (processes the signal from HDMI input)Inputs / Outputs1x HDMI out, 1x HDMI In, 1x USB 3.0 device port, 1x USB 2.0 host port, 1x LAN portLAN web interfaceYes (access to OSD menu, but no live image and controls)Room control APIs available for controllingYes (via LAN and USB)Dimensions in operation (L x W x H)225 x 175 x 410 mmVeight1.70 kgAnti-theff devicesT-Lock (Kensington® Lock) and table lock boltPowerExternal desktop power pack 12V: multi range 100-240V,18W (length of power cord 1.5m)Included accessoriesPower supplyOptional accessoriesDry-erase working surface	Reflection-free pickup area	Entire working area
User programmable presets3Image memorySGB internal memory + unlimited storage on USB stickExternal computer input / Input switch1x HDMI InBuilt-in digital scaler for the computer inputYes (processes the signal from HDMI input)Inputs / Outputs1x HDMI Out, 1x HDMI In, 1x USB 3.0 device port, 1x USB 2.0 host port, 1x LAN portLAN web interfaceYes (access to OSD menu, but no live image and controls)Room control APIs available for controllingYes (via LAN and USB)Dimensions in operation (L x W x H)225 x 175 x 410 mmVeight1.70 kgAnti-theft devicesF-Lock (Kensington® Lock) and table lock boltPowerExternal desktop power pack 12V: multi range 100-240V, 18W (length of power cord 1.5m)Included accessoriesPower supplyOptional accessoriesDry-erase working surface	UVC (Windows, Linux, macOS), PTP (Picture Transfer Protocol)	Yes
Image memory8GB internal memory + unlimited storage on USB stickExternal computer input / Input switch1x HDMI InBuilt-in digital scaler for the computer inputYes (processes the signal from HDMI input)Inputs / Outputs1x HDMI Out, 1x HDMI In, 1x USB 3.0 device port, 1x USB 2.0 host port, 1x LAN portLAN web interfaceYes (access to OSD menu, but no live image and controls)Room control APIs available for controllingYes (via LAN and USB)Dimensions in operation (L x W x H)225 x 175 x 410 mmWeight1.70 kgAnti-theft devicesT-Lock (Kensington@ Lock) and table lock boltPowerExternal desktop power pack 12V: multi range 100-240V, 18W (length of power cord 1.5m)Included accessoriesDy-erase working surface	Rotating camera head	Yes, 192°, for imaging to the front or rear the unit
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LAN web interfaceYes (access to OSD menu, but no live image and controls)Room control APIs available for controllingYes (via LAN and USB)Dimensions in operation (L x W x H)225 x 175 x 410 mmWeight1.70 kgAnti-theft devicesT-Lock (Kensington® Lock) and table lock boltPowerExternal desktop power pack 12V: multi range 100-240V,18W (length of power cord 1.5m)Included accessoriesDy-erase working surface	Built-in digital scaler for the computer input	Yes (processes the signal from HDMI input)
LAN web interface Yes (access to OSD menu, but no live image and controls)   Room control APIs available for controlling Yes (via LAN and USB)   Dimensions in operation (L x W x H) 225 x 175 x 410 mm   Weight 1.70 kg   Anti-theft devices T-Lock (Kensington® Lock) and table lock bolt   Power External desktop power pack 12V: multi range 100-240V,18W (length of power cord 1.5m)   Included accessories Power supply   Optional accessories Dry-erase working surface		1x HDMI Out, 1x HDMI In, 1x USB 3.0 device port, 1x USB 2.0 host port, 1x LAN port
Dimensions in operation (L x W x H)   225 x 175 x 410 mm     Weight   1.70 kg     Anti-theft devices   T-Lock (Kensington® Lock) and table lock bolt     Power   External desktop power pack 12V: multi range 100-240V,18W (length of power cord 1.5m)     Included accessories   Power supply     Optional accessories   Dry-erase working surface		Yes (access to OSD menu, but no live image and controls)
Weight 1.70 kg   Anti-theft devices T-Lock (Kensington® Lock) and table lock bolt   Power External desktop power pack 12V: multi range 100-240V,18W (length of power cord 1.5m)   Included accessories Power supply   Optional accessories Dry-erase working surface	Room control APIs available for controlling	Yes (via LAN and USB)
Anti-theft devices   T-Lock (Kensington® Lock) and table lock bolt     Power   External desktop power pack 12V: multi range 100-240V,18W (length of power cord 1.5m)     Included accessories   Power supply     Optional accessories   Dry-erase working surface	Dimensions in operation (L x W x H)	225 x 175 x 410 mm
Power External desktop power pack 12V: multi range 100-240V,18W (length of power cord 1.5m)   Included accessories Power supply   Optional accessories Dry-erase working surface	Weight	1.70 kg
Included accessories     Power supply       Optional accessories     Dry-erase working surface	Anti-theft devices	T-Lock (Kensington® Lock) and table lock bolt
Optional accessories Dry-erase working surface	Power	External desktop power pack 12V: multi range 100-240V,18W (length of power cord 1.5m)
Optional accessories Dry-erase working surface		Power supply
Warranty / Made in 5 years / EU Austria		Dry-erase working surface
	Warranty / Made in	5 years / EU Austria

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