VZ-9.4 Visualizer Systems

THE VISUALISER SHOP

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Technical Data

	VZ-9.4F	VZ-9.4L
Camera	1-CMOS 1/3" Progressive Scan	1-CCD 1/3" Progressive Scan
Pictures per second (as picked up by the camera)	60 frames (in all resolutions)	30 frames (in all resolutions)
Effective Pixel (=pixels actually used for image information)	1920 x 1080 (2,073,600)	1280 x 960 (1,228,800)
Total pixels of camera sensor	2,073,600	1,320,000
Pixels processed per second (=effective pixels x frames per second)	124,416,000	36,864,000
Color reproduction / precision	very good colors (sRGB color precision)	
Native signal output	1080p HD (1920x1080)	WXGA (1280x800), 720p HD (1280x720)
Converted output signals (4:3 and 5:4)	UXGA (1600x1200), SXGA (1280x1024), XGA (1024x768), SVGA (800x600)	UXGA (1600x1200), SXGA (1280x1024), XGA (1024x768), SVGA (800x600)
Converted Widescreen output signals (16:9 and 16:10)	WUXGA (1920x1200), WXGA (1280x800), 720p (1280x720)	WUXGA (1920x1200), 1080p (1920x1080)
Resolution (measured)	980 lines	860 lines
Brightness control / White balance adjustment	automatic and manual	
Autofocus / Speed	yes (continuously working, high speed)	
Manual focus	yes	
Easy positioning of objects with "Synchronized Lasermarkers"	-	yes (with 6 marks for 16:9 aspect ratio)
Built-in LCD widescreen preview monitor	yes (93x52.7mm / 3.66"x2.07")	
Live to Freeze Comparison (Picture in Picture & Side by Side)	yes	
On screen menu with on screen help	yes	
Firmware Updates via	USB, LAN, USB stick	
Zoom / Lens	64x zoom (16x optical + 4x digital), zoom wheel with multiple speed	
Max object height on working surface	230mm (9") in tele position 370mm (14.6") in wide position	
Max. pick-up area on working surface	16:9 aspect ratio: length: 225mm (8.86"), width: 400mm (15.75") 4:3 aspect ratio: length: 300mm (11.81"), width: 400mm (15.75")	
Min. pick-up area on working surface (in full resolution, with optical zoom)	25x14mm (0,98" x 0,55")	25x19mm (0,98" x 0,75")
Min. pick-up area on working surface (with digital zoom)	6x3.4mm (0.23" x 0.13")	6x4.5mm (0.23" x 0.18")
Max. pick-up area outside of working surface	unlimited	
Depth of focus on small object (42 x 33 mm)	7mm (0.28")	10mm (0.4")
Depth of focus on large object (360 x 270 mm)	200mm (7.9")	260mm (10.2")
Tilt range of camera	290° (110° to speaker + 180° to audience)	
Light source	Maintenance free high-brightness LED light system (high light output, low power consumption), lamp lifetime: 30,000 hours	
vSolution Link Software (USB/LAN), for controlling, image and video capturing and firmware updates	included (for 32- and 64-bit Windows and Macintosh, Twain/WIA compatible, with video capture driver)	
UVC Driver for Windows, Linux, and OS X (Mac)	yes	
vSolution Cynap compatible	yes	
Reflection-free area on working surface	whole working surface	
Special working surface for transparencies	yes	
Dry-erase working surface	optional	
Recordings outside of the working surface	yes (to the back and to the front of the unit)	
Automatic image flip	yes (for recordings to the front of the unit)	
Intelligent folding system	articulated arm, 1-step set up	
User programmable presets	3	
User defined settings on USB stick	yes	
Slide pick-up	through integrated slide lightfield	
External computer input / Input switch	yes, 2x HDMI (DVI or DisplayPort via optional adaptor or cable) and WLAN	
Seamless cross-fading between image sources	yes	
WolfVision image processing engine YSOP1	yes	
Image memory	8GB internal memory + additional storage on USB stick or external hard drive	
Browsable image memory (scrollable thumbnails + 1 larger preview image)	yes	
Alternative Image display	negative image / negative-blue image / black and white image	
Connectors	2x HDMI In, 1x HDMI Out, RGB, IP-Addressable LAN Port 10/100 Mbps, USB Device Port, 3x USB Host Ports, Audio Line in, Audio Line out	
Outputs	HDMI (DVI output via optional HDMI-DVI cable or adaptor), RGB	
LAN streaming modes (multicast and unicast)	H.264, Motion JPEG, RTP Motion JPEG, including audio	
WLAN (Dual band stick for 2.4GHz and 5GHz)	Yes (on request, free of charge)	
Onboard video recording including audio	yes (720p HD, up to 30 frames per second, AVI container, H.264 codec, .AVI file extension)	
Audio	yes (built-in microphone, audio Line In / Line Out)	
RS232 port	no (if required external LAN to RS232 adaptors can be used)	
Advanced controlling with professional protocol via LAN and USB	yes	
Dimensions in operation (L x W x H)	408mm x 333mm x 637mm (16.1" x 13.1" x 25.1")	
Dimensions when folded (L x W x H)	408mm x 333mm x 155mm (16.1" x13.1" x 6.1")	
Weight	5.9kg (13.05lbs)	
Infrared remote control	yes	
Anti-theft device	T-Lock (Kensington® Lock) and table lock bolt	
Power (external power pack)	External desktop power pack: multi range 100-240 V, Max 25.5W,(length of power cord: 1,8 m) Power over Ethernet plus (IEEE 802.3at-2009 standard)	
Carrying case	optional	
Warranty	5 years	