

Z Generation ValueHub Pro+ Interactive Flat Panel Specification

Image					
Model	VT-PD65Z-PRO+	VT-PD75Z-PRO+	VT-PD86Z-PRO+	VT-PD98Z-PRO+	
Overall	Frame color	Black			
	Material	Aluminium metlllicum (front)+metal (back)			
	Feature	Narrow bezel, more natural touch feeling, 2 handles for easier moving			
Display	Diagonal size	65 inch	75 inch	86 inch	98 inch
	Effective display area	1430.4(H)*805.9(V)mm	1652.5(H)*929(V)mm	1897.04(H)*1068(V)mm	2160(H)*1218(V)mm
	Contrast ratio	4000:1			
	Aspect ratio	16:9			
	Brightness	400cd/m ²			
	Backlight	DLED			
	Viewing angle	178°(V)/178°(H)			
	Refresh rate	60 Hz			
	Resolution	3840 (H) X 2160(V)			
	Response time	≤ 5 ms			
	Glass	Fully heat-tempered anti-glare glass that resists smudges and fingerprint, providing paper-touch experience			
	Glass thickness	4 mm			

Built-in Android experience	CPU	ARM Cortex-A73*4 + Cortex-A53 *4(4 Core+4 Core)-2.28GHz
	GPU	G52*8 (8 Core)
	Version	Android 13.0.0
	RAM	8GB LPDDR4
	ROM	128 GB
	Compatible video format	MPEG-2/4, AVS, H.264, H.265, AV1, VP8, VP9...
	Audio format	MPEG1/2 layer I/II, AAC, PCM...
	Front port	TYPE-C*1, USB3.0*2
	Back port	TYPE-C *1, RS232*1, LINE OUT*1 RJ45 IN*1, RJ45 OUT*1 (When connecting a RJ45 cable to the main board, the main board can switch into USB Ethernet to support OPS Ethernet as well.), SPDIF OUT / COAX OUT*1, DP IN*1, HDMI IN*2, HDMI OUT *1 (Support duplicate display and extend display with 4K@60HZ), USB-B TOUCH*2, MIC*1, ANDROID USB 2.0*2, USB 3.0*2 (Public), OTG USB*1 TF CARD*1, VGA AUDIO IN *1, VGA IN *1
	Speaker	Power up to 2x20 W (Left speaker + Right speaker) (150Hz~15KHz) + 20W subwoofer. Features 2.1 channel speaker. Each speaker consists 3-way speaker including high-units, mid-units and bass. Helps reproduce sound in the most realistic and vivid way. The speakers are arranged at an angle of 164 degrees compared to the display screen, helping the sound to be focused and distributed evenly in the classroom space. The speakers faithfully reproduce sound signals in real time, bringing you high fidelity audio exactly as it was meant to be heard.
	Bluetooth	Built-in Bluetooth 5.0

	WiFi	Built-in WiFi 2.4G & 5G (WiFi 6)	
Interactive experience	Touch technology	Zero Bonding Technology with advanced Infrared touch	Optical Bonding Technology with
	Touch point	20 Points	
	Response time	≤3.3ms	
	Accuracy	±0.5mm (90% active area located in middle). Offers higher accurate touch detection that delivers more smoother and realistic writing experience than ever. Users can write quickly and accurately without disruption using a pen or their fingers.	
	Minimum object size	2mm (Min. Gap between touches >25mm)	
	Touch screen sensor mode	Finger, writing pen or other non transparent touch sensitive medium	
	Resolution of touch screen	32768 x 32768	
	Anti-interference	80000 Lux	
	Support system	Android/ Windows/ MAC(1Point)	
	Object recognition	Both thick and thin pens can be recognized (in different colors) and recognize large objects as erasers.	
Camera	Touch pen	1 piece of pen with both thick and thin pen points, carried by magnetic tray; 2 whiteboard pens.	
	ESD	4KV, Release to ground by USB interface, 8KV, Release to air with direct connection.	
	Lens	M12 (12mm in Diameter)	
	Sensor	8 million pixels	
	Installation location	Built-in camera has been fixed on the right frame of the display, 100mm down from the center line of the right frame, to keep same visual level when sitting for more nature virtual face-to-face experience, no more feel of being monitored under a built-in camera on the top of display.	
	View angle	126° (D)/ 120° (H)/ 85° (V)	
	Iris	F2.5	
	Focal length	2.72mm	
	Min. Illumination	0.5Lux (F1.8, AGC ON)	
	DNR	2D & 3D DNR	

Camera	Focus	Manual			
	Electronic shutter	Auto / Manual			
	Video adjustment	Brightness, Sharpness, Saturation, Contrast, White Balance, Gain, Anti-scintillation, Low Brightness Compensation etc. can be adjusted. The ISP processing technology and algorithm provide vivid image, uniform picture brightness strong light and color layers, high definition and excellent color reproduction.			
	SNR	≥50dB			
	Image format	MJPG: 3840*2160P30/25, 1920*1080/1600*896 /1280*720 /1024*576 /960*540 /800*600/800*448 /720*576, H264: 3840*2160P30/25, 1920*1080/1600*896 /1280*720 /1024*576 /960*540 /800*600/800*448 /720*576, YUY2: 1920*1080/1600*896 /1280*720 /1024*576 /960*540 /800*600/800*448 /720*576, NV12: 1920*1080/1600*896 /1280*720 /1024*576 /960*540 /800*600/800*448 /720*576			
	EPTZ	Yes			
	Image bit streams	Support dual-stream output			
	Video compression	JPEG, YUY2, H264, H265, NV12			
Microphones	Microphones array	MEMS Microphone			
	Microphones array	6-element			
	Pickup distance	8 meters			
	Frequency response	120 Hz–16 kHz			
AI intelligent algorithms	AI face tracking	Yes. With a variety of advanced AI intelligent algorithms, it can automatically adjust camera position according to the number of participants and changes in location, presenting the best framing.			
	Echo Cancelling	Yes. The echo cancelling algorithm samples the sound from loudspeaker and send to Microphone, then cancels out echo, therefore delivering a clearer voice.			
Storage and operating requirements	Power supply	110-240V~50/60Hz			
	Power consumption	≤250W	≤300W	≤400W	≤550W
	Standby consumption	≤0.5W	≤0.5W	≤0.5W	≤0.5W
	Storage temperature	-20°C ~ 60°C			
	Storage humidity	10%RH ~ 90%RH			
	Working temperature	0°C ~ 50°C			
	Working humidity	10%RH ~ 90%RH			
	Lifetime	More than 60000 hours			
	Dimension	1598 x 869 x 99mm	1820x993x103mm	2065x1132x125mm	2305x1287x113mm

Others	Net weight	45KGS	58KGS	81KGS	105KGS
	Gross weight	56KGS	68KGS	93KGS	120KGS
	Package size	1720 x 995 x 223mm	1931x1149x235mm	2158x1330x2235mm	2436x1500x250mm
	VESA mounting	600 (H) x 400 (V) mm	600 (H) x 400 (V) mm	800 (H) x 600 (V) mm	800 (H) x 600 (V) mm
	Bracket	Yes	Yes	Yes	Yes
	Power cable	Yes	Yes	Yes	Yes
OPS PC	Different configuration for option. 8th-12th Gen, CPU: i7/ i5, RAM: 8GB/ 16GB, Flash: 512GB/ 256GB/ 128GB SSD/ 500HDD/ 1TB HDD				
Optional Accessories	Wireless dongle, Type-C cable, Mobile stand				
Certificates	CE, FCC, RoHS				