newline

Z Series

USB Type-C With Power	Antimicrobial Surface	Secure Android 11 OS	Eco-friendly Proximity Sensor	Better Connectivity	Superior Capacitive Touch (PCAP)	Tiltable 4K Wide Angle Camera	Compatible with all Devices

ENHANCED INTERACTIVITY FOR YOUR CAMPUS

The Newline Z Series, a high performance interactive solution, empowers faculty with all in-person and hybrid instruction to meet their student demands. Redefine college education with an immersive audio-visual experience. No matter where you sit, the 4K display provides a crystal clear image and a 178° viewing angle.

Start class faster with the plug and play design of Z Series. Plug in your laptop through the USB Type-C cable and get class started, all while the Z Series keeps your laptop charged. With an embedded Android 11 OS, the Z Series is secure and allows for customization with user profiles. A built-in Wi-Fi 6 module offers greater connectivity for securely connecting up to 30 devices. The Z Series comes equipped with a Proximity Sensor, and will sleep/reawaken automatically based on human presence in the room.

The UC ready Z series display comes with an onboard computer (OPS) integrated into the display, no extra devices needed, a flexible 4K wide angle camera, and a built-in 8 mic array for the perfect all in one collaboration solution.

Better prepare your students for life after academia with the Z Series and collaboration.

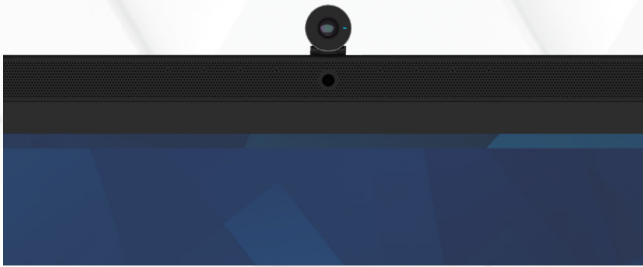Newline Z Series includes the following software solutions

CAST **BROADCAST** **DISPLAY MANAGEMENT PLUS**

Z Series

Model	UC Ready Version	Non-UC Version
SKUs	55": TT-5522Z-UC 65": TT-6522Z-UC 75": TT-7522Z-UC 86": TT-8622Z-UC	55": TT-5522Z 65": TT-6522Z 75": TT-7522Z 86": TT-8622Z
4K Camera Module	Yes	No
OPS On-Board Computer	Yes	No

Modular 4K Camera - UC Ready Z Series Only

OPS On-Board Computer - UC Ready Z Series Only

SKUs	55": TT-5522Z-UC 65": TT-6522Z-UC 75": TT-7522Z-UC 86": TT-8622Z-UC
Camera Module	
Camera Resolution	4K@ 30 Hz /UHD
Field of View	120° FOV Lenses
IR Camera	352 x 352 / 30 fps
Camera Tile Range	15°
OPS On-Board Computer	
CPU	i7-8565U, 8M Cache, up to 4.60 GHz
GPU	Intel HD Graphics 620
RAM	8GB
Hard Disk	256GB SATA3 SSD
USB 2.0	2
USB 3.0	2
USB Type C	1
LAN	1
HDMI Out	1
Microphone In	1
Line Out	1
Built-in WiFi	802.11b/g/n/ac
OS	Win 10 Pro 64bit (other OS optional)
RAM Upgrades	Up to 32GB

Z Series

Model	TT-5522Z TT-5522Z-UC	TT-6522Z TT-6522Z-UC	TT-7522Z TT-7522Z-UC	TT-8622Z TT-8622Z-UC
Display				
Screen Size	55"	65"	75"	86"
Display Area	47.6 x 26.8 in	56.2 x 31.7 in	63.2 x 36.5 in	74.6 x 41.9 in
Backlight	LED	LED	LED	LED
Resolution	3840 x 2160 pixels (4K)	3840 x 2160 pixels (4K)	3840 x 2160 pixels (4K)	3840 x 2160 pixels (4K)
Display Ratio	16:9	16:9	16:9	16:9
Brightness	400nit	400nit	400nit	400nit
Display Colors	1.07 billion (8 bit)	1.07 billion (8 bit)	1.07 billion (8 bit)	1.07 billion (8 bit)
Contrast Ratio	4000:1	4000:1	4000:1	4000:1
Response Time	8 ms	8 ms	8 ms	8 ms
Viewing Angle	178°	178°	178°	178°
Lifetime Hours	50,000 hours	50,000 hours	50,000 hours	50,000 hours
Speakers				
Position	Top-Front	Top-Front	Top-Front	Top-Front
Max Power Output	(2) 20W	(2) 20W	(2) 20W	(2) 20W
Output S.P.L	0dB~ -10dB	0dB~ -10dB	0dB~ -10dB	0dB~ -10dB
Microphone				
Mic Position	8-mic array - upper front	8-mic array - upper front	8-mic array - upper front	8-mic array - upper front
Distance	26 ft	26 ft	26 ft	26 ft
Power				
Max Power Consumption	≤250W (Standby ≤0.5W)	≤350W (Standby ≤0.5W)	≤400W (Standby ≤0.5W)	≤500W (Standby ≤0.5W)
Working Voltage	AC100-240V Max 2.5A	AC100-240V Max 3.0A	AC100-240V Max 4.0A	AC100-240V Max 4.5A
Touch				
Glass Surface Technology	Tempered Glass	Tempered Glass	Tempered Glass	Tempered Glass
Touch Points	20 Points / optional Windows 40 Point	20 Points / optional Windows 40 Point	20 Points / optional Windows 40 Point	20 Points / optional Windows 40 Point
Touch Sensor	PCAP (Projected Capacitive Touch)	PCAP (Projected Capacitive Touch)	PCAP (Projected Capacitive Touch)	PCAP (Projected Capacitive Touch)
Writing Tools	Stylus or Finger	Stylus or Finger	Stylus or Finger	Stylus or Finger
Transportation/Storage				
Storage Temp/Humidity	14°F - 113°F / 0% - 90%	14°F - 113°F / 0% - 90%	14°F - 113°F / 0% - 90%	14°F - 113°F / 0% - 90%
Working Temp/Humidity	32°F - 104°F / 20% - 80%	32°F - 104°F / 20% - 80%	32°F - 104°F / 20% - 80%	32°F - 104°F / 20% - 80%
Mounting Options	Wall-mount or Mobile Stand	Wall-mount or Mobile Stand	Wall-mount or Mobile Stand	Wall-mount or Mobile Stand
VESA Mount	TBD	23.6 x 15.7 in	31.5 x 15.7 in	31.5 x 15.7 in
Outline Dimension	50.8 x 30.1 x 2.9 in	58.9 x 36.2 x 3.3 in	67.7 x 41.1 x 3.3 in	77.4 x 46.6 x 3.3 in
Weight	79.4 lbs	103 lbs	142 lbs	168 lbs
Embedded Operating System				
SoC Chipset	Amlogic 311D2	Amlogic 311D2	Amlogic 311D2	Amlogic 311D2
RAM	8 G	8 G	8 G	8 G
Flash Memory	64GB	64GB	64GB	64GB
Android Version	11.0	11.0	11.0	11.0
Multimedia Files Supported	Image: JPEG, BMP, PNG Video: MPEG1, MPEG2, MPEG4, Sorenson H.263, H.263, H.264, HEVC/H.265, MVC, AVS, AVS+, WMV3, VC1, Motion JPEG,VP8, VP9, RV30/RV40 Audio:MPEG1/2 @LAYER1;@LAYER2;@LAYER3, EAC3, ACC-LC, HE-AAC, VORBIS, LPCM, IMA-ADPCM, MS-ADPCM, G711 A/MU-LAW, LBR(COOK), FLAC			
Ports				
Side Inputs/Outputs	USB Type-C (PD 65W/100W Optional) x 1, HDMI IN 2.0 x 1, USB Type-B (Touch) x 1, USB 3.0 Type-A x 1, Microphone In x 1			
Rear Inputs/Outputs	HDMI IN 2.0 x 2, DisplayPort 1.2 x 1, USB Type-B (Touch) x 3, USB 3.0 Type-C (no PD) x 1,USB 3.0 Type-A x 2, USB 3.0 Type-A to Android x 1, HDMI OUT 2.0 x 1, RS232 x 1, RJ45 (Gigabit) IN x 1, RJ45 (Gigabit) OUT x 1, SPDIF x 1, OPS x 1, Audio Line out x 1, WIFI module x 1, Proximity Sensor x 1			