

THE DIGITAL PODIUM DATA SHEET



01 Product List

Note: A digital podium 100 is composed of the following items.

Product	Model	Components
Podium	Podium 100	Podium 100*1
Display	PD150	Display PD150*1
Networked Media Processor	NMP 211-G-LU	NMP211-G-LU*1
		Touch Panel CPL10*1
		Wireless Microphone *2
OPS	OPS	OPS *1
Document Camera	E4521	Document Camera E4521*1 (Optional)
Gooseneck Microphone	QGM100	Gooseneck Microphone*1 Phantom Power*1

02 Podium NDP100



Specifications

	Specification	
1	Rack	Dimenions: 500(L) x 490(W) x 590(H) The height of the rack is 590 millimeters, which supports the installation of approximately 13U of equipment.
2	Front Drawer	The front drawer is a hidden compartment that can hold standard-sized devices, such as a keyboard, mouse, and wireless microphone. It helps keep the desktop clean and tidy and comes with a security lock. Dimensions: 475(L) x 275(W) x 45(H)
3	Right-side Drawer	The drawer on the right side is used to store a document camera. Has a pull-out large auxiliary panel, measuring 560(L) x 430(H) x 155(H), with a weight capacity of 25kg
4	Shelf(Upper)	Q-NEX NMP Gooseneck microphone base Phantom power adapter
5	Shelf(Middle)	Computer tower (Optional)
6	Shelf(Bottom)	For placing the power supply panels
7	Left Slide Lock	Locks the slide to prevent students from opening it

02 Podium NDP100



Specifications

Specification	
Display	PD150 Display
Gooseneck Microphone	QGM100 Gooseneck Microphone
Touch Panel	CPL10 Touch Panel
Grooves	1. Goose-neck microphone holder 2. Pen holder
Overall	Dimenions (mm): 820(L) x 611(W) x 1,123(H) Materials: Reinforced steel plate structure with powder-coated anti-rust paint on the metal surface
Tabletop	820(L) x 273(W) x 610(H) (closed) 1620(L) x 273(W) x 610(H) (fully extended)
Sliding Cover Panel	Dimensions: 820 (L) x 600 (W) x 1.8 (th.) Corner radius: R40 Material: Eco-friendly medium density board Weight Capacity: 30kg
Up/Down Buttons	Control the automatic up and down movement of IQPodium. Default viewing angle is 12 degrees, with a maximum tilt of 35 degrees when raised
Interface	1 * Power outlets(3-prong) (It is used to provide power to external devices, such as the teacher's laptop) 1 * Touch USB (Extension of the NMP's Touch USB 2 - Host, for connecting teacher's laptop) 1 * HDMI-IN (extension of the NMP's HDMI-IN 2, which is used for connecting the teacher's personal laptop as an input source.) 1 * Type C (supports charging and internet connectivity for the teacher's laptop) 1 * USB (Extension of computer power's USB port, enabling connection with external devices such as USB flash driver) 1 * LAN (Used to provide network connectivity for external devices, such as a teacher's laptop, to access network services.) 1 * Goose-neck microphone jack (Provides audio input and amplification for the podium user, such as the teacher.)

03 Display PD150



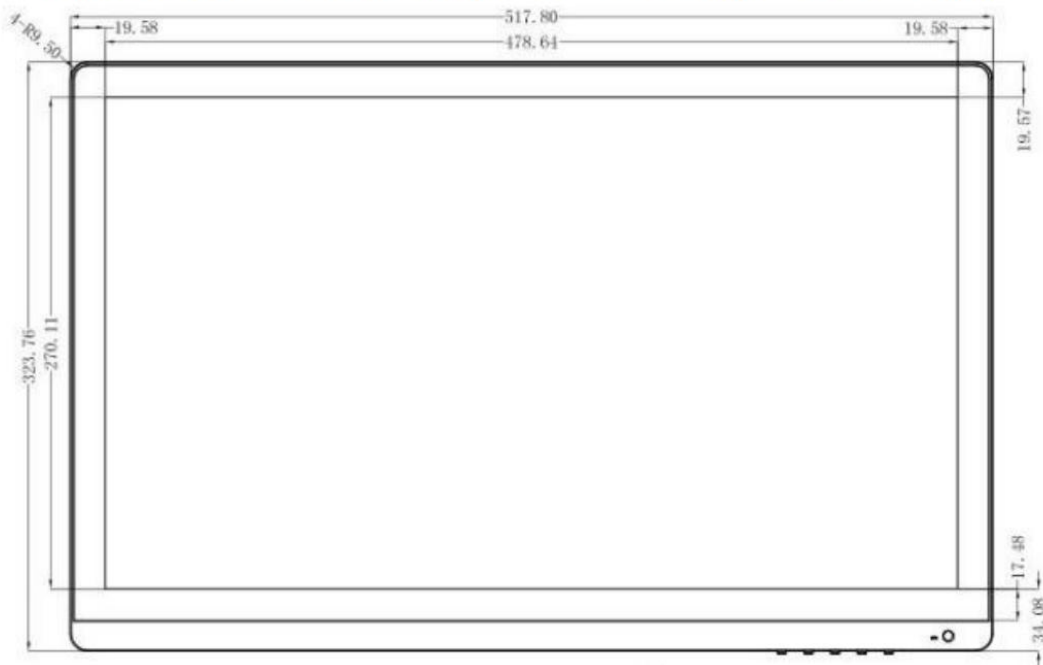
Specifications

Specification		
Display Specification	Panel Type	IPS(TFT-LCD)
	Effective Screen Size	21.5 inch (16:9)
	Resolution	1920(H) x 1080 (V)
	LCD Display Colors	16.7M
	Brightness	250 cd/m ²
	Contrast Ratio	1000:1
	Surface	Anti-glare glass, 3H
	View Angle	178° (H), 178° (V)
Handwriting Specification	Technology	Electromagnetic
	Pen	Active pen
	Tablet Resolution	2048 Lpi
	Pen Pressure	2048 levels
	Reading Accuracy	±0.25 mm (center)
	Writing Height	5-15mm
	Voltage	5V
	Tracking Speed	Approximately 200 points per second
Touch Specification	Technology	Capacitive
	Touch Points	10 points touch

03 Display PD150

Specification		
Ports	Inputs	HDMI IN*1; USB 2.0(Type A) *1 USB Touch 2.0(Type A) *1; 12v DC Power *1
	Outputs	HDMI OUT*1; Earphone*1
Buttons	Auto, Up, Down, Menu, Power	
Built-in Speaker	2W*2	
Stand Adjustment	12° ~130°	
Operating System	Windows 7/8/10, Android, Mac 10.9 or above (Optional)	
Power Supply	External Power Adapter (input 100-240VAC, 50/60Hz, output 12V DC 4A)	
Weight	4.8KG	
Dimension	518(W)×325 (H)×40 (D) mm (without stand)	
Working/Storage Environment	Working Temperature:0~40°C; Working Humidity:20~80% Storage Temperature:-15~60°C; Storage Humidity:10~90%	

Dimensions: 517.8 mm *323.76 mm *38.34 mm



04 Networked Media Processor NMP 211-G-LU



Features

- Device Control
 - To control devices through a desktop control panel
 - To control through web-based platform Q-NEX Console from anywhere with an Internet access.
- Access Control
 - With a built-in electronic lock control module for door security, it allows authorized access by swiping an IC card.
 - IC card could also be used for activating the control panel, so that students without permission can't mess up with the facilities.
- AV Matrix Switch
 - To route audio and video signals from multiple input sources, to one or more display devices, like projector, TV, interactive flat panel.
- Networked AV Decoding
 - NMP can work as a LAN switch.
 - By setting NMP and a **Q-NEX Media Server** in the same LAN, NMP can decode AV contents/live streaming from the media server, and play in the classroom media devices instantly or on schedule.
- Push Notification
 - To display daily messages, emergency alerts, announcements etc., delivered by admin in the classroom.

04 Networked Media Processor NMP 211-G-LU

Specifications

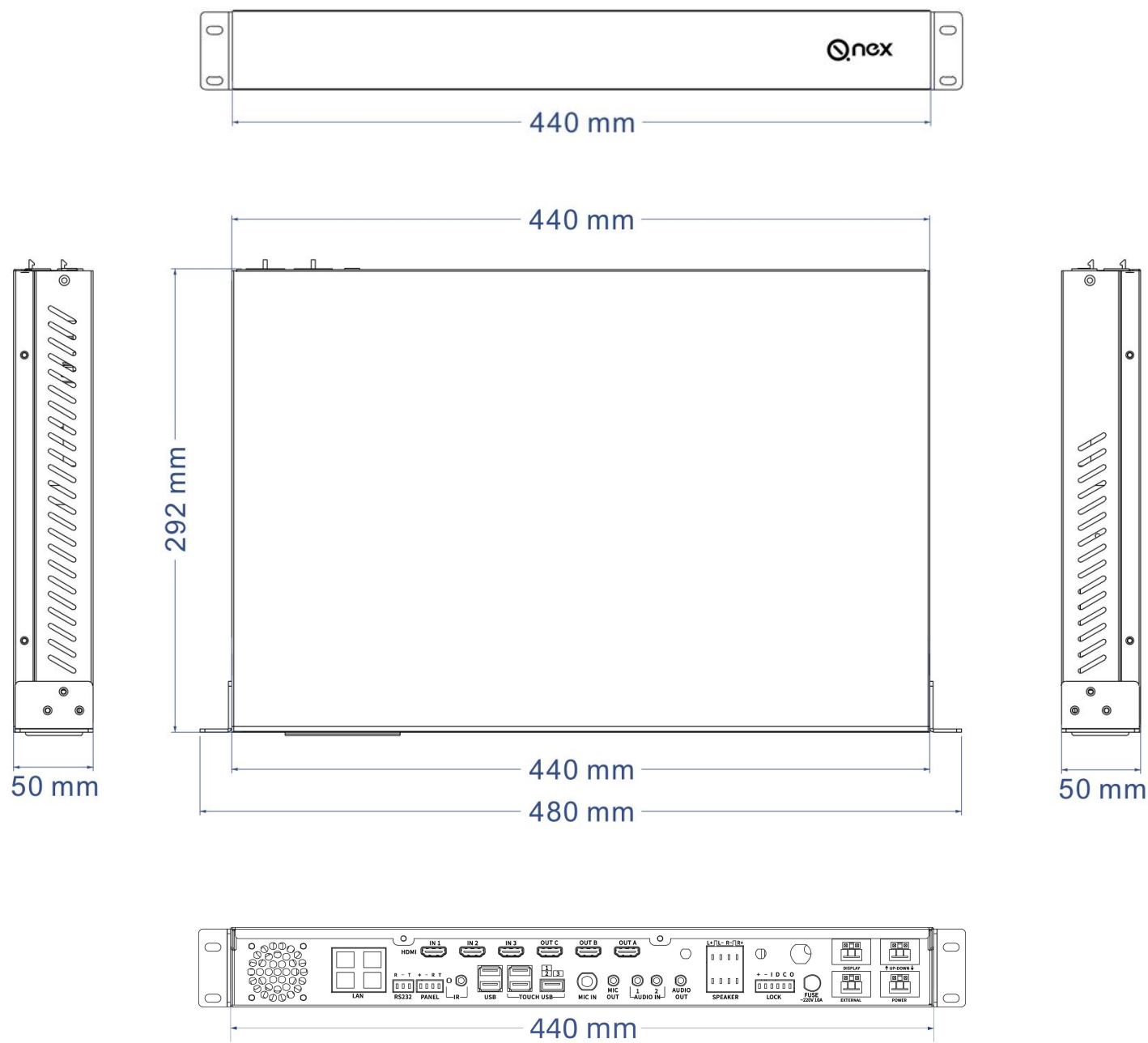
Specification	
Size(mm)L*W*H	440*292*50mm
Weight	3.9Kg
Standard 1U rack-mount design	Suitable for installation in various types of cabinets
Industrial-grade embedded motherboard	High-speed 32-bit CPU; Embedded operating system;
LAN switch	4 * 10M / 100M RJ45 network switch ports
Audio matrix module	2*3.5mm line in; 1*3.5mm line out;
Microphone	1*6.35mm wired MIC in; 2*UHF wireless MIC in; 1*3.5mm MIC mixed out;
HDMI matrix module (Input * Output)	3*3 HDMI 2.0 Matrix Module, support 4K@60Hz, support HDCP 2.2 and HDCP 1.x
Communication interface	1*RS232; 2*USB 1*USB-DEVICE In 2*USB-HOST Out 1*Phoenix 4-Pin for control panel 1 * IR OUT, for remote controlling IR devices like air conditioner, TV, projector etc. 1 * IR IN, for learning IR codes and store on the Cloud-based platform
Power amplifier	2*(40W+40W), support to connect at least 2 pairs of passive speakers
Access control	1 * electronic lock power connector (12V) 1 * electronic lock control driver output 1 * electronic lock status input 1 * electronic lock indoor switch input
Power control	1* power supply for NMP, support wide voltage (110-240ACV) 1* single pole double throw (SPDT) switch 1* power output for electric projection screen or electric curtain 1* power output for display or others 1* Power fuse
Antenna Ports	1* antenna port for wireless microphone 2* antenna ports for Wi-Fi module
Remote control & centralized management	Centralized control and management of classroom devices such as PCs, projectors, A/C, power supplies of external devices through the Internet
	Remote statistics on the usage and status of classroom devices, such as: equipment usage logs, energy consumption, etc.
Push Notification	Display daily messages, important alerts and announcements delivered by IT admin or teachers in text format in the classroom displays instantly or on schedule.

04 Networked Media Processor NMP 211-G-LU

Specification		
Wireless module	RF Transceiver	“Wi-Fi friendly” 2.4 GHz spread spectrum 2-way RF (2400 to 2483 MHz)
	RF Transmitting Power	13.5dBm
	Range	< 30 m, support for connecting up to 4 units of control box for extended RS232/IR/Relay control
Connection	Control Box (CBX)	support RS232/IR/Relay control
Wireless MIC Receiver	Power supply	5-12V/500mA
	Frequency bandwidth	12MHz
	Frequency range	640-690MHz
	Frequency response	30hz-15KHZ
	Maximum channels	48
	Receiving sensitivity	<=-105dBm
	SNR	>= 80dB
	Audio output level value	350 mV
	Distortion (THD+N)	<0.5%
	Latency	<3ms
	Operating temperature	-25C° -60C°
Media Server	Media Server(optional)	16GB/4TB SATA*4/ DVDRW Streaming Service System
	Lite Media Server (Optional and is for demo only).	Intel ® Core™ i5 4200M 2.5GHz; RAM 4GB DDR3; Storage 256G SSD

04 Networked Media Processor NMP 211-G-LU

Dimensions



04 Touch Panel CPL10



Features (CPL10)

Features		
1	Panel Control	Swipe IC card to unlock; click to lock panel
		Password to lock panel
2	Audio Control	Switch audio sources to HDMI out A / Audio 1/2
3	Video Control	Matrix switch video input sources to THREE displays
4	Volume Adjustment	Adjust the volume/treble/bass of speaker and microphone
5	Power Control	The displays and external devices power on/off
6	Curtain Control	Screen up/down/stop
7	A/C Control	Control air-con power, temperature, modes
8	Remote Control	Send commands for IR devices control
	RS232 control	To control devices through RS232, E.g. projector / IFP / IQVideo
	CBX control	To control devices that attach to control box
9	Push Notification OFF	Exit non-mandatory Push Notification
10	Divisable Room	Turn on/off the divisible room mode, set the divisible room devices
11	CBX Control	Control NMP-connected CBX for extended device control
12	Lecture Capture Control	Control lecture capture system connected to NMP(Networked Media Processor)

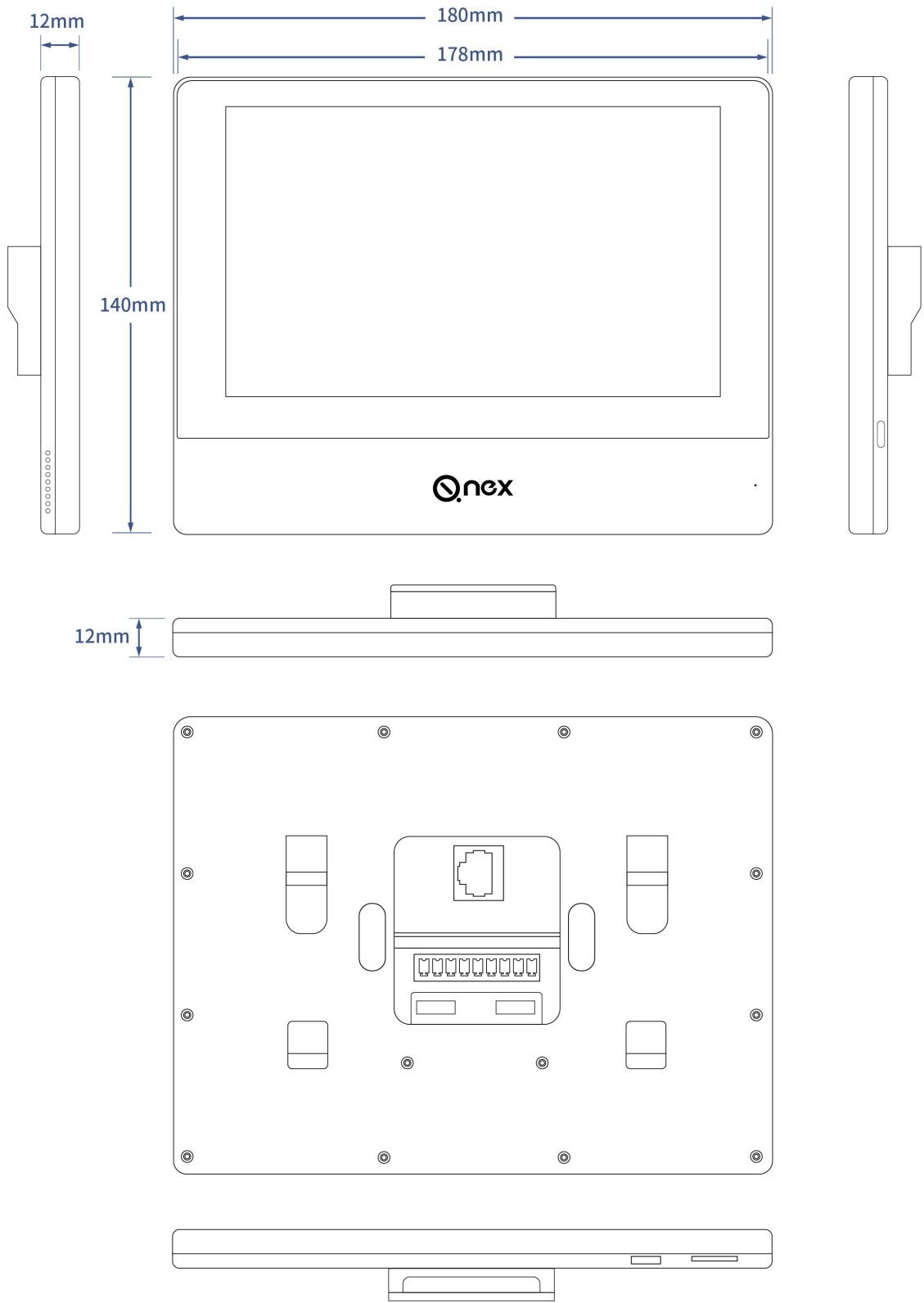
03 Touch Panel CPL10

Specifications

Specification	
CPU	Quad-cord, Main frequency 1.5GHz
GPU	Quad-cord
RAM	DDR3 1G can be extended to 2G
O.S.	Android 8.1
Screen	7-inch 1024*600IPS
Dimension	180mm*140mm*9.0mm (L*H*W)
RJ45	POE
	100MB LAN
Touchscreen	7-inch capacitive screen with tempered glass, 10-point touch
	Optical bonding
USB2.0	1
TF	Max 32G
RS485	2
I/O port	4*I/O IN
	4*I/O OUT
Physical button	Power on/off
Power	12V 2.5mm-DC
IC card reader	Support 13.56MHz IC card
ROM	8G EMMC5.0
Working temperature	-20°C to 70°C
Working humidity	< 85%
Anti-dismantle	support
Installation	Wall mount, desktop stand

03 Touch Panel CPL10

Dimensions



04 Wireless Microphone WX-U32



Features

- Support wireless transmission up to 40 meters.
- UHF frequency band, anti-interference.
- LCD screen to check the signal strength, battery power, connected channel and other information.
- Support up to 24 channels connection without interference
- One channel supports simultaneous connection of two wireless microphones-one handheld microphone, one lapel microphone.
- Automatic frequency matching when powers on, simple operation.
- Lapel mic supports point-to-multipoint dynamic access, so that each teacher can own one lapel mic to pair with any NMP in any classroom, convenient for private use and good for personal hygiene.

04 Wireless Microphone WX-U32

Specifications

Parameter	Handheld Microphone
Receiving sensitivity	>=85dBm
Receiver working current	5V/180mA
Frequency range	640MHz ~690MHz
Sensitivity	51dB \pm 3dB(0dB=1V/Pa 1 KHz)
Frequency response	50Hz~15KHZ
Microphone type	Dynamic cardioid microphone
SNR	>=65dB
Transmit power	>20dBm
Distortion	<0.5%
Effective distance	<40m
Latency	<5ms
Operating temperature	-25C° -60C°
Power supply	2*AA batteries
Microphone working current	100mA@3V
Battery lifetime	12 Hours

04 Wireless Microphone WX-U32

Specifications

Parameter	Lapel microphone
Receiving sensitivity	$\geq -85\text{dBm}$
Receiver working current	5V/180mA
Frequency range	640MHz ~690MHz
Sensitivity	$51\text{dB} \pm 3\text{dB}$ (0dB=1V/Pa 1 KHz)
Frequency response	50hz~15KHZ
Microphone type	Condenser microphone
SNR	$\geq 105\text{dB}$
Transmit power	16~25dBm
Distortion	$<0.5\%$
Effective distance	$<40\text{m}$
Latency	$<5\text{ms}$
Operating temperature	$-25^{\circ}\text{C} \sim -60^{\circ}\text{C}$
Power supply	2*AA batteries
Microphone working current	200mA@3V
Battery lifetime	5 Hours



Specifications

Parameter	OPS
CPU	Intel® Core™ i5 11400
RAM	16GB
Storage	4TB SSD
Chipset	H510
graphics card	Intel HD Graphic 730/750
Output	DP/HDMI dual display 4K
	1 × HDMI
	1 × DP
	1 × VGA
Network Card	1 × RJ45 LAN
WIFI	1 × WIFI
USB	3 × USB3.0 × USB2.0
Power button	1 × power button
OPS	1 × OPS (80pin)
Audio	1 × LINE-OUT & MIC-IN
LED Light	1 × Power light & 1 × Harddisk light

Parameter	OPS
Input	19V
Dimension	180mm (L) x 195mm (W) x 42mm (H)
Temperature	Operating temperature: 0° C ~50° C Storage temperature: -20~70° C
Humidity	5%~90% No condensation

06 Document Camera E4521



Specifications

Parameter	Document Camera
Resolution	8.0MP
Sensor Pixel	1/2.8" Sony CMOS
Frame Rate	30fps
Zoom	10x Optical Zoom 10x Digital Zoom
Focus	automatic / manual
Shooting Range	A3
Device Structure	Folding, support for multi-angle shooting, the lens body rotates 90 degrees left and right
HDMI Output	4K, 1080P
VGA Output	1080P
Record Output	3840*2160P@20fps(Max), 1080P@30fps
USB Output	3840*2160 @ 15fps, 1080P@30fps
Image Adjustment	Brightness, sharpness, contrast, saturation
Image Trick	Freeze, Mirror, B&W/Color, Text, Image, On-Screen Contrast, Picture-in-Picture, etc.

06 Document Camera E4521

Parameter	Document Camera
LED Light	3-level adjustment
Interface	VGA(Input*1 & Output*1), HDMI (Input*1 & Output*1), USB*1, USB Mouse
TF Card Storage	Maximum support 32G
Native Annotation Function (by mouse operation)	Real-time annotation, auto focus, zoom in, zoom out, photo, video, video playback, on-screen comparison, picture-in-picture, freeze, title freeze, rotate, image, text and other functions
Button	Power, Switch, Rotate, Light, Zoom In&Out, Brightness Up&Down, AF
Infrared Remote Control	Yes
MIC	Yes
Power Supply	DC 12V
Size	Folded: 373.5*110*160mm Expanded: 448*385*160mm
Weight	2.8kg

07 Gooseneck Microphone QGM100

Specifications

Specification		
Gooseneck Microphone	Polar Pattern	Supercardioid
	Frequency Response	70 ~ 20KHz
	Sensitivity(0dB=1V/1Pa,1KHz)	-45dB(± 2dB)
	Output Impedance	200 ohm Balanced
	Power Supply	DC3V/AC220V
	Anti-interference	Resistance to mobile phone interference and electromagnetic interference.
	Weight (g)	200
Phanton	Input Power	100-240V AC, 50/60Hz
	Output Power	48V DC (± 2V)
	Max Output Current	10mA
	Input Port	1/4-inch TRS jack
	Output Port	XLR 3-pin jack
	Dimensions	96(W) x 45(H) x 127(D) mm
	Weight	Approx. 500g



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