



## Digital Podium NDP100

———— Datasheet ————



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<br>Phantom Power*1 |



## Specifications

|   |                   | Specification  |
|---|-------------------|--|
| 1 | Rack              | Dimensions: 500(L) x 490(W) x 590(H)<br>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.<br>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<br>Gooseneck microphone base<br>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  |



## Specifications

| Specification        |  |
|----------------------|--|
| Display              | PD150 Display  |
| Gooseneck Microphone | QGM100 Gooseneck Microphone  |
| Touch Panel          | CPL10 Touch Panel  |
| Grooves              | 1. Goose-neck microphone holder<br>2. Pen holder   |
| Overall              | Dimensions (mm): 820(L) x 611(W) x 1,123(H)<br>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)<br>1620(L) x 273(W) x 610(H) (fully extended)  |
| Sliding Cover Panel  | Dimensions: 820 (L) x 600 (W) x 1.8 (th.)<br>Corner radius: R40<br>Material: Eco-friendly medium density board<br>Weight Capacity: 30kg  |
| Up/Down Buttons      | Control the automatic up and down movement of IQPodium.<br>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)<br>1 * Touch USB (Extension of the NMP's Touch USB 2 - Host, for connecting teacher's laptop)<br>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.)<br>1 * Type C (supports charging and internet connectivity for the teacher's laptop)<br>1 * USB (Extension of computer power's USB port, enabling connection with external devices such as USB flash driver)<br>1 * LAN (Used to provide network connectivity for external devices, such as a teacher's laptop, to access network services.)<br>1 * Goose-neck microphone jack (Provides audio input and amplification for the podium user, such as the teacher.) |



## 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 <sup>2</sup>               |
|                           | 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                     |

| Specification               |  |  |
|-----------------------------|--|--|
| Ports                       | Inputs   | HDMI IN*1; USB 2.0(Type A) *1<br>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<br>(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%<br>Storage Temperature:-15~60°C; Storage Humidity:10~90% |  |

Dimensions: 517.8 mm \*323.76 mm \*38.34 mm





## 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.

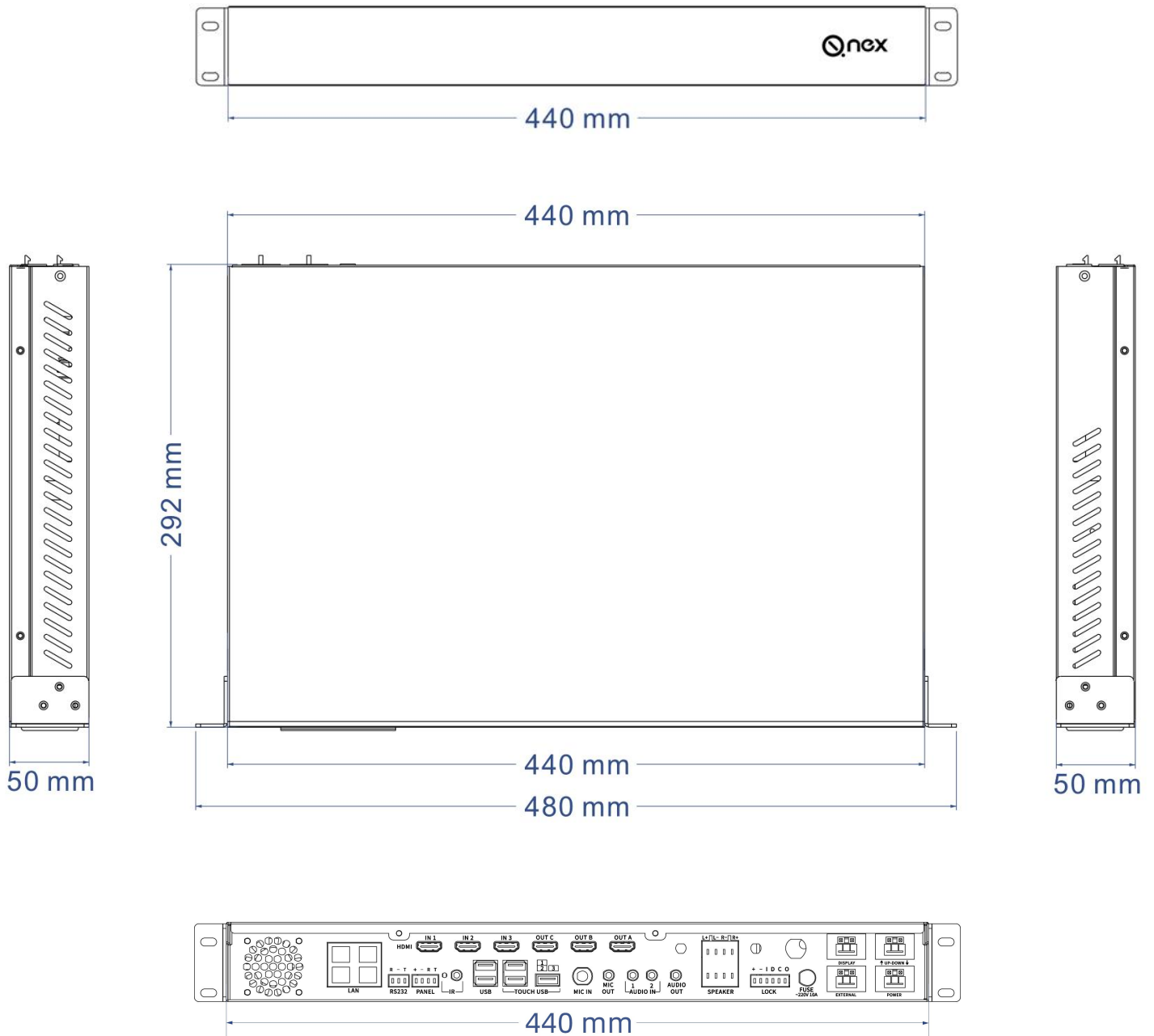
## Specifications

| 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;<br>Embedded operating system;   |
| LAN switch                              | 4 * 10M / 100M RJ45 network switch ports   |
| Audio matrix module                     | 2*3.5mm line in;<br>1*3.5mm line out;  |
| Microphone                              | 1*6.35mm wired MIC in;<br>2*UHF wireless MIC in;<br>1*3.5mm MIC mixed out;   |
| HDMI matrix module (Input * Output)     | 3*3 HDMI 2.0 Matrix Module,<br>support 4K@60Hz,<br>support HDCP 2.2 and HDCP 1.x   |
| Communication interface                 | 1*RS232;<br>2*USB<br>1*USB-DEVICE In<br>2*USB-HOST Out<br>1*Phoenix 4-Pin for control panel<br>1 * IR OUT, for remote controlling IR devices like air conditioner, TV, projector etc.<br>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)<br>1 * electronic lock control driver output<br>1 * electronic lock status input<br>1 * electronic lock indoor switch input  |
| Power control                           | 1* power supply for NMP, support wide voltage (110-240ACV)<br>1* single pole double throw (SPDT) switch<br>1* power output for electric projection screen or electric curtain<br>1* power output for display or others<br>1* Power fuse                                  |
| Antenna Ports                           | 1* antenna port for wireless microphone<br>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<br>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.  |



| 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 IBox (CBX)                                 | support for connecting up to 4 units of control box for extended 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                                    |

## Dimensions





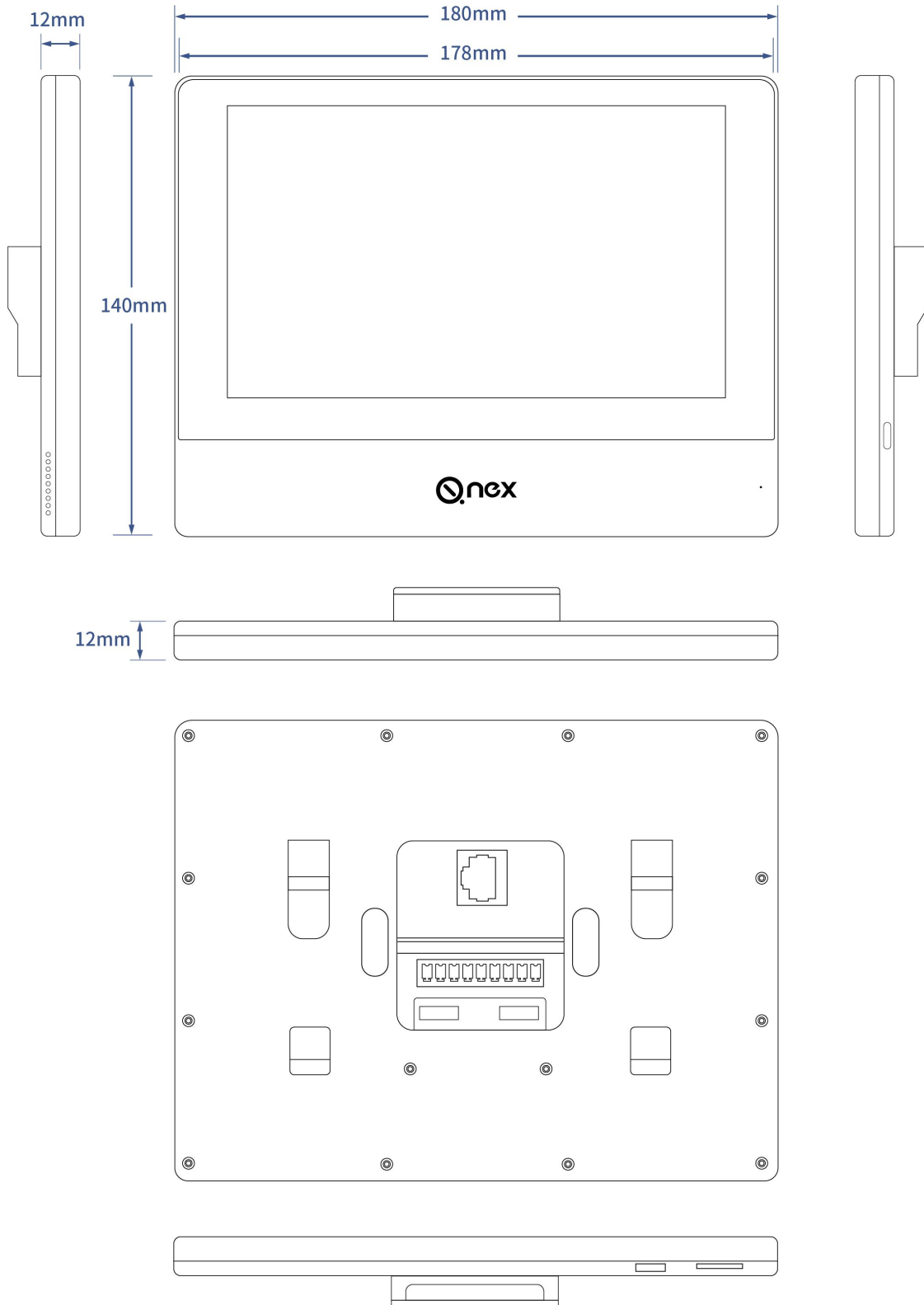
## Features (CPL10)

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

## Specifications

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

## Dimensions





## Features

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- 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.

## Specifications

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

## Specifications

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| Parameter                  | Lapel microphone  |
|----------------------------|---|
| Receiving sensitivity      | $\geq -85\text{dBm}$  |
| Receiver working current   | 5V/180mA  |
| Frequency range            | 640MHz ~690MHz  |
| Sensitivity                | $51\text{dB} \pm 3\text{dB} (\text{0dB}=1\text{V/Pa } 1 \text{ KHz})$ |
| 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      | $-25\text{C}^{\circ} \text{ } -60\text{C}^{\circ}$                    |
| 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  |



## Specifications

| Parameter        | Document Camera  |
|------------------|--|
| Resolution       | 8.0MP  |
| Sensor Pixel     | 1/2.8" Sony CMOS   |
| Frame Rate       | 30fps  |
| Zoom             | 10x Optical Zoom<br>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.       |

| 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<br>Expanded: 448*385*160mm   |
| Weight  | 2.8kg  |

## Specifications

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| 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  |



Get in touch with the simple but functional system:

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