

Mobile recorder R20M



product features

Integrated portable design

Integrated with 17.3-inch touch screen, host and battery, the weight is less than 5kg, can be put into a standard suitcase, and can be deployed by one person in 3 minutes.

Wireless image transmission technology

Supports 2.4G/5G dual-mode wireless camera access (4K30fps), transmission distance ≥ 200 meters, free from wire constraints.

6 Long Lasting Hours of Endurance

Built-in large capacity battery supports charging and using at the same time, meeting recording needs all day long.

WiFi+ PDA

Support WiFi and Bluetooth Internet of Things control, wireless streaming delay ≤ 50 ms, device interconnection is more stable.

Multi-platform compatibility

Supports Tencent Conference, DingTalk and other platforms to directly push streams. Type-C interface is plug and play, compatible with Windows/macOS systems.

Environment adaptive algorithm

The microphone algorithm can adapt to different scenarios such as classrooms and lecture halls.

Waterproof design

IP42 protection certification, adapt to complex teaching environment.



Product Parameter

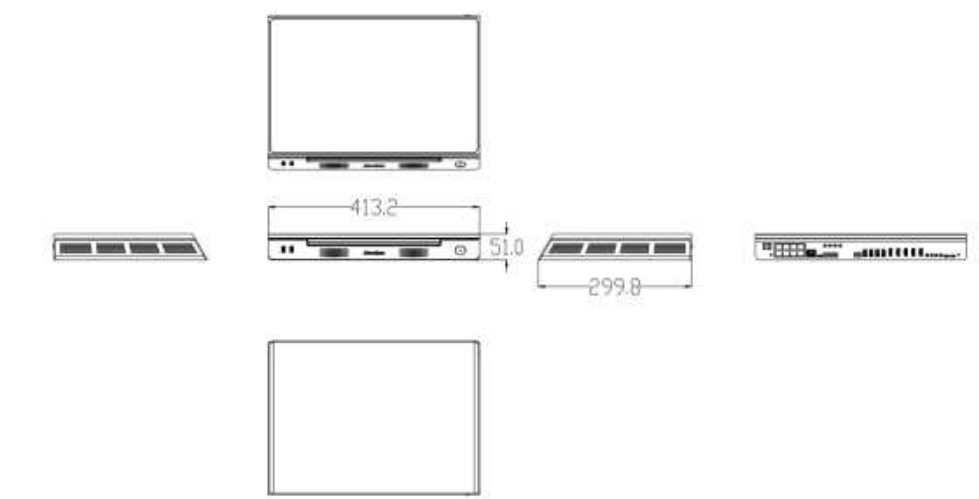
* The following parameters are for reference only and will be adjusted according to the actual situation of the project

processor	
CPU	Quad-core Cortex-A76+ Quad-core Cortex-A55
GPU	Mali-G610 MP4
NPU	6TOPs
Video capture	
Cable camera signal acquisition	RJ45 POE*8
Cable courseware collection	HDMI*2
Wireless image acquisition	(RJ45 access to a separate 3588 network port)
Audio capture	
Audio cable acquisition	Dmic*1 (RJ45 POE)、Line In*2 (3.5mm)
Wireless audio capture	RX*1
screen	
Size/Type	17.3 inch fully conforming capacitive touch screen
Resolution / Refresh rate	1920×1080@60Hz
Brightness / Color gamut	350nits brightness, 92% NTSC color gamut
Screen performance	Life ≥ 15,000 hours
Screen interface	LVDS
audio frequency	
loudspeaker	Frequency range 600Hz~20KHz, sound pressure level 75dB/1 meter, power 2~5W
LINE IN 1	Support microphone signal, adapt to harsh environment
LINE IN 2	Supports linear audio, compatible with wireless mics
LINE OUT 1	Dual channel stereo, supports insertion detection
LINE OUT 2	Dual channel stereo, support for headset monitoring
network	
WiFi	802.11ax,2.4G&5G&6G, rate ≥1.2Gbps, Distance> 10 meters
PDA	BT5.0, supports IOT devices (such as IWB) to control the host switch

video frequency	
Coding agreements	Recording: 4K30fps1 (PGM); Interactive: 1080P60fps1; Live: 1080P 60fps*3
Decoding capacity	Supports interactive 1080P60fps*4.5 camera positions 1V4 interactive
Picture compositing	3 Independent synthesizer (interactive/live/recording), PGM support for auto/manual opening/closing
HDMI joggle	HDMI1.4 version, IN1/IN2 support courseware collection, OUT1-OUT3 support independent channel output
joggle	
HDMI	HDMI1.4, Type A connector, 5V power supply, <small>The life of the plug and cable is more than 5000 times</small>
USB 2.0	* 2 (top out)
USB 3.0	:: 4 (top output)
Type-C	*1 (top out) Support UVC, UAC
RJ45	*10 Support POE
work environment	
work environment	0°C~40°C, 10%~90%RH
condition of storage	-20°C~60°C, 10%~90%RH
memory	
internal storage	8GB LPDDR4/LPDDR4X
Built-in storage	32GB eMMC,1TSSD
control	
Type of touch control	Multi-touch
Switch type	Three-in-one switch
supply electricity	
Wired power supply	DC 52V/5A (round jack)
battery powered	6 hour battery life

product size

* The following sizes are for reference only and do not represent the final standard. Please contact us for specific sizes required



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