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RP220-H-G Medical Trolley



■ ■ Product Overview

The RP220-H-G is an integrated customized medical cart, which integrates audio and video codec, HD display, HD camera, ultra-high-speed wireless network connection, medical workstation, UPS system and other modules to provide access and conversion of medical peripheral equipment (multi-reference monitor, B-ultrasound, electrocardiogram machine, electronic stethoscope, etc.). It can meet the telemedicine requirements of medical institutions in multi-scene and multi-network environment, and realize remote monitoring and remote consultation of wards and other business applications



■ ■ Technical Specifications

Basic Physical Parameters	
Car body	Maximum dimensions of the whole vehicle 1100mm (W)*725mm (D)* 1825mm (H)
Work surface	Size 608mm (W)*470mm (D), bearing 20kg; Electric lifting, lifting height 1580mm to 1810mm
Box	Integrated sheet metal chassis 550mm (W)×450mm (D)×440mm (H), one large and one small drawer each, with a locked rear door
Wheels for Medical purposes	4 high-strength anti-winding silent universal medical wheels that support wheel locking
External pendants	1 medical hand holder, 1 medical hanging blue (stainless steel)
Control panel	One-button switch, with control panel (up/down) to support power and battery indicator
Package Size	Body: 820mm (W) *655mm (D) *1680mm (H); Monitor: 598mm (W) *105mm (D) *400mm (H)
Input port	Support 1*(S-video/ CVBS) input, support external 1*DVI/ VGA signal input; Support HDMI from the main device line input; 1 *Audio-in 3.5mm 1 *RJ45
Output port	1 *Audio-out 3.5mm
Aesthetics	All cables are hidden, the whole vehicle is beautiful, waterproof penetration
Working Host	
CPU	I7 quad core
Memory	8GB DDR4
Hard disk	256GB SSD
Output port	1*HDMI 1*headphones
Input jack	1*100/1000M network port 1*MIC 2 *USB Port
Operating system	Windows10 support (customer-owned installation)
Display	
Dimensions	23.8"*2
Type	Led-backlit color LCD display
Color	white
Display parameters	Resolution: 1920*1080 Contrast: 1000:1 (Typ.) Brightness not less than 250cd/m2
Speaker power	Built-in 2×5W speaker

Hd Codec (with Bar 300-G)	
Active double stream	1080P30 + 1080P30 Data Conference: 1080P30 + 1080P30
Full HD main lens	5X/12X optical zoom, F1.8 aperture, 2.13 megapixels, 1/2.8 "CMOS Maximum horizontal viewing Angle 83°/72°, maximum vertical viewing Angle 51.6°/44.5° Pan/Pitch Angle: +/-100° (pan), +/- 30° (pitch) Translation/pitch speed: 5°/s to 60°/s (translation), 3°/s to 200°/s (pitching)
Wisdom Eye	F2.8 aperture, 2 megapixels, 1/2.9 inch CMOS Angle of view 81° horizontal, 47° vertical
Audio input interface	Built-in array microphone 1*3.5mm 1*HD-AI 1*HDMI (audio)
Audio output port	1*3.5mm 2*HDMI (audio) 1*USB 3.0 Type-A
Video input port	1 *Built-in camera (1 channel 5X/12X Smart Best View) 1 *HDMI
Video output port	2 *HDMI 1 *USB 3.0 Type-A
Other ports	1 *RJ45 (10/100/1000M LAN) 1 *RJ45 (for Touch) 1 *Wi-Fi (built-in)
Functional Features	WEB will control, Touch will control WEB Image Monitoring Hd picture snapshot 16:9 and 4:3 display mode adaptation and conversion Picture in picture: 1/16 picture size, position optional LDAP/ Network address book Open API interface, support for third-party integration USB zero configuration, plug and play Wireless data sharing IdeaShare Calling call set Auto-Framing Smart voice assistant 2.4G/5G dual-band Wi-Fi, support relay mode, support AP, STA open at the same time
Bandwidth	64kbps to 8Mbps
5G/4G Specifications	
Communication standards	3GPP Release 15
Networking mode	NSA/SA
Antenna Type	External 5G\4G antenna with 4 antennas
Network band	Support 5G/4G card, 5G full Netcom (n41/n78/n79), 4G full Netcom (B1\B3\B5\B8\B34\B38B39\B40\B41)
Power Cell	
Input voltage	100VAC to 240VAC 50Hz to 60Hz
Output voltage and power	DC5V/12V/19V Max output power 240w
Power Supply type	Lithium-ion battery
Charge and discharge time	Charging time 5 to 6h, continuous full load working time ≥4 hours (not counting battery loss) battery effective charge and discharge times ≥2000 cycles
Power plug	Pin word port input
Environment	
Temperature	Operating Temperature: 0°C to 40°C Storage Temperature: -20°C to 50°C
Humidity	Working humidity: 10% to 90%, no condensation; Storage humidity: 10% to 90%, no condensation



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