BriteMED

Telehealth Cart
Integrated equipment solution for telehealth consultation

The Telehealth Cart from BriteMED is in streamlined design but includes complete solution for telehealth consultation. Integrated with battery touch panel PC and PTZ camera, it facilitates patient data input and live video conference in an intuitive interface with remote physicians.

Touch Battery Panel PC with 5MP Front Camera

Designed with three hot swappable Li-Ion batteries, the POCm-W22C provides uninterrupted power on demand. The IP-compliant front panel and ABS enclosure facilitate clean and disinfection need required especially during Covid-19 pandemic. The intuitive touch screen supports multi-touch and allows operation by latex gloves without any trouble. The built-in 5MP front-facing camera allows video consultation between patients and medical professionals.

12x PTZ Camera for Clearer Patient Assessment

The 12x optical zoom lens and Full HD1080p resolution enable a clear view position for diagnosis/ consultation need. The hybrid auto tracking and smooth PTZ functions allow a physician to remotely zoom into specific areas of interest in high definition and a wide field of view. An optional battery system, with 12V DC output and battery status indicators, allows continuous 6-hr operation of PTZ camera.
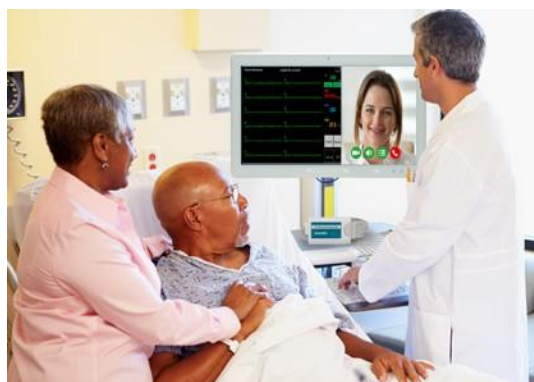
Slim Type Cart & Accessories

The slim design of cart brings space-saving advantage. The rear basket and optional drawers increase storage capacity and facilitate documents or medical consumables categorization.

Application: Tele-Cardiology Diagnosis

By integrating the optional BriteMED® 12-Lead Portable ECG, it becomes an easy-to-operate tele-cardiology workstation for remote diagnosis and video consultation purpose. The 12-lead waveforms are real-time displayed for quick ECG prescreening and the electronic ECG report facilitates diagnosis by remote cardiologists. BriteMED also provides the ECG API in Windows, Android, and Linux to the solution providers to quickly integrate ECG to their telemedicine system.

Specifications- Battery Touch Panel PC

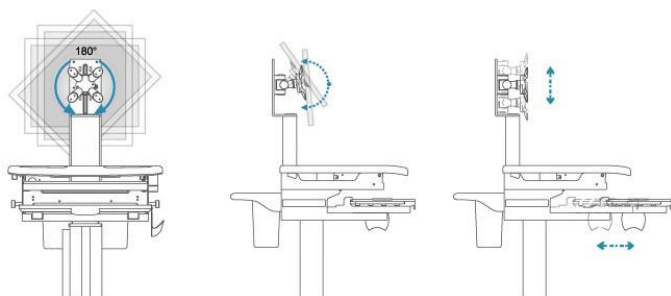|			
LCD Specifications	LCD Display	21.5'' (16:9)	
	Max Resolution	1920 (W) x 1080 (H)	
	Brightness (cd/m²)	250	
	Contrast Ratio	1000:1	
	LCD Color	16.7M colors (RGB 6-bit)	
	Pixel Pitch (mm)	0.24825 (H) x 0.24825 (V)	
	Viewing Angle (H-V)	170°/160°	
	Backlight MTBF (hrs)	30000 (LED backlight)	
Touch	Touchscreen	Projected capacitive type with 10-point multi-touch	
	Surface Hardness	6H	
System	CPU Support	6th Generation Intel® mobile ULT Core™ i7-6600U / Core™ i5-6300U and /Celeron® 3855U	
	RAM	Two 260-pin 2400/2133MHz dual-channel DDR4 SO-DIMM, 4GB pre-installed (system max. 32GB)	
	LAN Controller	1 x Intel® Ethernet Controller I219, 1 x Intel® Ethernet Controller I211	
	I/O Port	Bottom I/O 1 x DC Jack 2 x HDMI out 2 x GbE LAN port 2 x RS232/422/485 4 x USB 3.2 Gen 1 port	Other 2 x USB 2.0 port (side) 1 x Audio out (side) + 1 x Mic in (side) 1 x Digital Mic (front, bottom)
	Storage	1 x 2.5" Accessible SATA HDD bay 2 x 2280 M key (PCIe x 1/SATA) with RAID 1 x 1630/2230/3030 A/E key (PCIe x 1/USB 2.0)	
	Audio	2 x 3W Speaker	
	Webcam & Microphone	5-megapixel CMOS front-facing camera with auto-focus and digital microphone	
	Expansion Interface	1 x Full-size/half-size PCIe Mini (PCIe+USB)	
	LED Indicator	1 x RFID indicator 3 x Battery indicator (Color : Blue/Red) 1 x Power Indicator	
Other Features	Cooling Method	Fan-less	
Connectivity	Wi-Fi and Bluetooth	IEEE 802.11 a/b/g/n/ac 2T2R module with Bluetooth V4.2 M.2 2242 A/E key (PCIe x 1/USB 2.0)	
Physical	Construction Material	ABS+PC plastic with anti-bacterial material	
	Mounting	Wall, Stand and Arm VESA 75/100	
	Net Weight	7.07 kg without batteries 8.43 kg with 3 batteries	
	Dimensions (WxHxD) (mm)	543 x 350 x 71 mm	
Environment	Operating Temperature	0°C~40°C	
	Storage Temperature	-20°C~60°C	
	Humidity	10% to 90% (non-condensing)	
	Vibration	1G	
	Shock	Operating Shock: 5G peak acceleration (11ms duration) Non-Operating Shock: 10G peak acceleration (11ms duration)	
	IP Level	Front: IP65, Back: IP32	
Power	Power Input	19V DC input	
	Power Adapter	150W medical power adapter	
	Battery	3 slots for Li-ion battery pack	
Certification		CE,FCC Class B Part18 IEC 60601-1:2005+AMD1:2012 (Edition 3.1) IEC 60601-1-2: 2014 (Edition 4.0)	

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Specifications- PTZ Camera

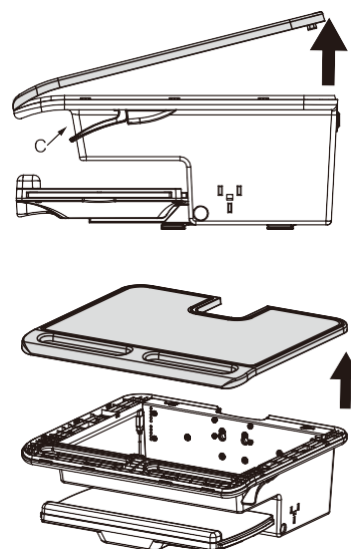|		
Image Sensor		1/2.8" 1080p 60fps Exmor CMOS
Effective Picture Elements		2 Megapixels
Output Resolution		Auto 1080p/60, 1080p/59.94, 1080p/50, 1080p/30, 1080p/29.97, 1080p/25, 720p/60, 720p/59.94, 720p/50, 720p/30, 720p/29.97, 720p/25
Minimum Illumination		0.4 lux (IRE50, F1.6, 30fps)
S/N Ratio		≥ 50 dB
Gain		Auto, Manual
TV Line		900 (Center)
Shutter Speed		1 / 1 to 1 / 32,000 sec
Exposure Control		Auto, Manual, Priority AE (Shutter, IRIS), BLC, WDR
White Balance		Auto, Manual
Optical Zoom		12X
Digital Zoom		12X
Sensor Zoom		2X
Horizontal Viewing Angle		DFOV : 78° (Wide) to 7° (Tele) HFOV : 70° (Wide) to 6° (Tele) VFOV : 42° (Wide) to 3° (Tele)
Focal Length		f = 3.9 mm (Wide) to 46.8 mm (Tele)
Aperture (Iris)		F = 1.6 (Wide) to 2.8 (Tele)
Minimum Working Distance		0.3 m (Wide), 1.5 m (Tele)
Pan / Tilt Angle		Pan : ±170°, Tilt : +90° / -30°
Pan / Tilt Speed (Manual)		Pan : 0.1° to 100° / sec, Tilt : 0.1° to 100° / sec
Preset Speed		Pan : 200° / sec, Tilt : 200° / sec
Preset Position		10 (IR), 255 (RS232)
Camera Control - Interface		RS232 (DIN8) / RS422 (RJ45) / IP
Camera Control - Protocol		VISCA / PELCO-D (RS232 / RS422 / IP), CGI (IP)
Image Processing		Noise Reduction (2 / 3D), Flip, Mirror
Power Frequency		Auto, 50Hz, 60Hz
Audio	Channel	2ch Stereo
	Codec	AAC-LC (48 / 44.1 / 32 / 24K), G.711, PCM (8K)
	Sample Rate	48 / 44.1 / 32 / 24 / 16 / 8 KHz
Interface	Video Output	3G-SDI, HDMI, IP, USB
	Audio Output	3G-SDI, HDMI, IP, USB
	Audio Input	MIC / Line in
General	Power Requirement	AC 100 - 240V to DC 12V / 5A
	Power Consumption	18 W
	PoE	PoE+
	Dimensions (W x H x D)	180.0 x 183.5 x 145.0 mm
	Net Weight	1.7 (±0.1) kgs
	Application	Indoor
	Tally	Yes
	Security	Kensington Slot
	Remote Control	Infrared
	Operating Condition	Temperature : 0 °C to +40 °C ; Humidity : 20% to 80%
	Storage Condition	Temperature : -20°C to +60°C ; Humidity: 20% to 95%
IP Streaming	Resolution	1080p 60fps
	Network Video Compress Format	H.264, H.265, MJPEG
	Maximum Frame Rate	1080p 60fps
	Bit-rate Control Mode	VBR, CBR (selectable)
	Range of Bit-rate Setting	512 Kbps to 32 Mbps
	Network Interface	10 / 100 / 1000 Base-T
	Multi-stream Capability	2 (RTSP / Web page), 1080p 60fps max.VISCA over IP
USB	Connector	USB 3.0
	Video Format	MJPEG
	Maximum Video Resolution	1080p
	USB Video Class (UVC)	UVC 1.1
	USB Audio Class (UAC)	UAC 1.0
Web UI	Live Video Preview	Yes
	Camera PTZ Control	Pan, Tilt, Zoom, Focus, Preset Control
	Camera / Image Adjustment	Exposure, White Balance, Picture
	Network Configuration	DHCP, IP Address, Gateway, Subnet Mask, DNS
Software Tools	Device IP Searching, Configuration Tool	Support Windows® 7 or later

Specifications- Cart

Size (Lx W x H)		611 x 475 x 1265 mm
Structure		Aluminum-alloy
Working Table (ABS surface)	Dimensions (L x W)	517 x 261 mm
Supported Arm (VESA 75/100)	Loading weight (max.)	8 kg
Standard Drawer Configuration: * Drawers are constructed from powder-coated plastic material, featuring stainless steel sliding tracks and a drawer lock.	3" keyboard drawer	1
Mouse Holder		1
Document Basket		1
Barcode Reader Holder		1
Wheels (4 dust-proof wheels with 2 in brake function)	Size	4"

Flexible and Solid Computer Arm

Inner Storage Space

Options

Part No.	Description
Camera Kit	Kit for PTZ camera (145 x 485.7 x 240 mm)
Drawer	Drawer with lock (426 x 415 x 108 mm)

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Specifications may change without further notice.

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