



BriteMED

Celebrate Humanity with Technology

BriteMED Product Catalogue

www.britemed.com.tw

A Reliable Partner to Count On

Established since 2009, BriteMED has been dedicated to manufacturing and marketing innovative medical devices and electronic medical solutions that improve clinical workflow and enhance patient care. As an ISO-13485 and GMP certified medical device manufacturer, all BriteMED medical solutions are designed, tested and refined with the clinical environment in mind, featuring intuitive user interface and in compliance with international regulations. BriteMED ensures all solutions are highly reliable, easy-to-operate and can be seamlessly integrated to healthcare applications.



BriteMED
MADE IN
TAIWAN



**Remote Cardiac Care and
Rural Health**
Enables pre-screening of healthcare
conditions anywhere



Integrated Op
Enhances the intel
viewing and

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Operating Room
Intelligence on image
processing



Intelligent Mobile Workstation
Ensures efficient and quality hospital
workflow

Rural Health and Remote Cardiac Care

From physical doctor visit, mobile clinic at rural areas, to virtual tele-diagnosis, a PC-based or wireless 12-lead portable ECG is required for quick pre-screening of health conditions and remote cardiac consultation. The portable ECG size and a compact carry kit provide the easy-to-go and easy-to-install advantages. The design of separating ECG signal capture and ECG data processing functions also creates flexibility of data management and system integration for outside of hospital and MIoT applications.



Mobile Clinic



Tele-Consultation



General Clinic



Doctor Visit



ECG-D12

PC-Based Resting 12-Lead
Portable ECG



Tele-ECG Kit

Integrated Kit with 12-Lead
Portable ECG and Tablet



ECG-D12-B

Wireless Resting 12-Lead
Portable ECG

Signal Capture

Data Processing

Applications



BriteMED[®]

PC-Based 12-Lead Portable ECG

The BriteMED[®] ECG displays real-time and quality 12-lead waveforms by noise-filtering expertise. The palm size and operation on general PCs create easy installation and cost-effective benefits for general clinic or district public health center at rural areas. The intuitive PC ECG software, analyzing real-time ECG data and managing ECG reports and patient profiles, is easily installed on Windows devices to interpret real-time 12-lead waveforms, manage patient profiles, and save ECG records in the PC or print. The communication protocols are provided to synchronize patient profiles and ECG records to a wide range of smart healthcare applications.



Health Pre-screening, General Clinic

Benefits



Quality Waveforms

The 1000Hz sampling rate enables quality and real-time 12-lead ECG waveforms. The captured data is analyzed to assist general practitioners to decide the medical treatment.



Intuitive Report System

The ECG report is saved as PNG/PDF file for e-mail consultation and converted to compatible files for HIS/PACS server integration. The interface is selected in multiple languages, specific language customization allowed.



Cost Effectiveness

The power supply is from PC by USB cable, no additional battery needed. The ECG report is printed by A4 instead of thermal papers for less maintenance troubles.

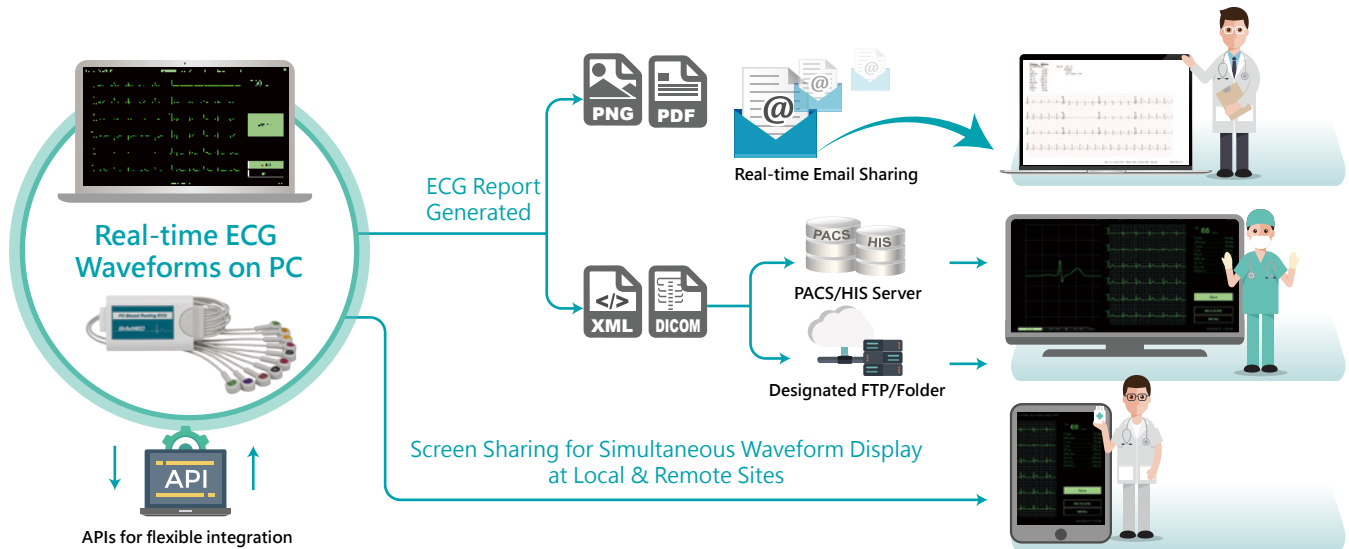


API Integration Support

The cross-platform APIs, Android, Windows, and Linux, are available for synchronization of patient profiles and ECG records to existing systems or integrated to telemedicine solutions.

Diverse Integration Options

The ECG reports can be easily shared by e-mail and transmitted to designated FTP or server, facilitating synchronization of ECG record to clinic information system or get consultation from cardiologists for quickly deciding the medical treatment plan.



Specifications

Mode No.	ECG-D12-10BI/BA	ECG-D12-10SI/SA
Patient Leads	12 -lead electrocardiogram	
Sensitivity	5, 10, 20, 40 mm/mV	
Sampling Rate	1000 samples/second/channel	
Low Cut Filter	0.05 Hz, 0.15 Hz, 0.3 Hz	
High Cut Filter	30 Hz, 150 Hz, 250 Hz, off	
Hum Filter	50 Hz, 60 Hz, off	
Common Mode Rejection	> 90dB	
Sweep Speed	25 mm/s	
Printing Paper Size	A4	
HR Measurement Range	30BPM~300BPM, Accuracy: ± 1 BPM	
Defibrillator Protection	Yes	
Pacing Pulse Detection	Yes	
Power Supply	5V/0.3A (supplied from PC via USB cable)	
Dimensions (L x W x H)	99.7 x 60 x 23.2 mm	
Weight	80g	
Operating Temperature	10°C~40°C	
Storage Temperature	-20°C~50°C	
System Requirements	OS: Microsoft Windows 7 or newer OS is required. PC display resolution (min.): 1280 x 768 PC requirement (min.): Intel® Core i5 1.5 GHz processor, 4GB memory size, 300 MHz graphics base frequency	
Safety Standards	Compliant with IEC/EN 60601-2-25 , IEC/EN 60601-1, IEC/EN 60601-1-2	
Package Content	<ul style="list-style-type: none"> • ECG x 1 • 10-electrode patient cable in banana type plugs x 1 • USB cable x 1 • USB flash drive x 1 • Quick guide x 1 • Carry bag x 1 	<ul style="list-style-type: none"> • ECG x 1 • 10-electrode patient cable in snap type connectors x 1 • USB cable x 1 • USB flash drive x 1 • Quick guide x 1 • Carry bag x 1

BriteMED[®] Tele-ECG Kit

The Tele-ECG Kit from BriteMED is a compact solution with 12-lead portable ECG and 10.1 tablet for mobile clinics and medical exam stations at remote place. The aluminum case categorizes ECG, ECG accessories and mobile tablet in quality inner lining design, not only facilitating installation at space-limited place, but enabling quick overall health screening for patients, no matter where they are. The PC-based design of ECG enables quick ECG record tracking and integration to the hospital information system for further treatment.



Mobile Clinic, Rural Community

Benefits



Portable Compact Kit

The compact aluminum carry case is designed with quality EVA inner lining that allows well categorization of tablet, 12-lead portable ECG, and ECG accessories. The quality metal locks lower the theft risk of all components.



Quality Waveforms

The 1000Hz sampling rate enables quality and real-time 12-lead ECG waveforms. The captured data is analyzed to assist general practitioners to decide the medical treatment.



Real-time Consultation

The front camera of tablet enables a video conference without extra efforts. The cardiologist at remote hospital can provide instant instruction and consultation via the real-time waveforms shared from local clinic.

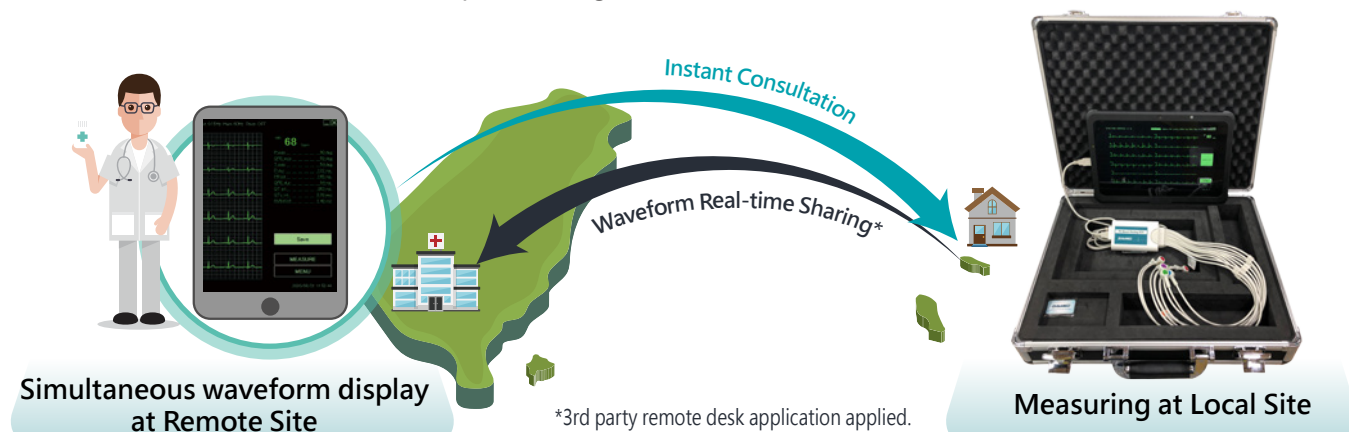


Seamless Integration

The ECG reports can be converted to compatible formats for integration to EHR system, synchronizing patient records for doctors/consultation team to make quick follow-up treatment plan.

Real-time Waveform Consultation

While patients taking ECG measurement at local clinic, the ECG real-time waveforms can be shared to the remote hospital. The cardiologists, at remote site, can see the real-time waveforms on their mobile devices to provide instant instruction and consultation for precise diagnosis and treatment.



Specifications

Mode No.	12-Lead Portable ECG	Mode No.	10.1" Tablet
Patient Leads	12 -lead electrocardiogram	Processor	Intel® Celeron® Processor N3350 (2M Cache, up to 2.4 GHz)
Sensitivity	5, 10, 20, 40 mm/mV	System Memory	Onboard LPDDR4 4GB
Sampling Rate	1000 samples/second/channel	Solid State Drive	M.264GB Solid State Drive
Low Cut Filter	0.05 Hz, 0.15 Hz, 0.3 Hz	Resolution	1280 x 800
High Cut Filter	30 Hz, 150 Hz, 250 Hz, off	Luminance	300 cd/m ²
Hum Filter	50 Hz, 60 Hz, off	Touch Type	10 Points Projective Capacitive
Common Mode Rejection	> 90dB	USB Port	2 x USB 3.0 Type A
Sweep Speed	25 mm/s	HDMI	1 x HDMI
Printing Paper Size	A4	Output Other	1 x Audio Jack 1 x Micro SD 1 x DC Jack
HR Measurement Range	30BPM~300BPM, Accuracy: ± 1BPM	Camera	2MP Front Camera 8MP Rear Camera With Auto Focus
Defibrillator Protection	Yes	NFC	ISO/IEC 14443 A/B, 15693/18092, NFCIP-1, NFCIP-2, Support MIFARE and Felica
Pacing Pulse Detection	Yes	Bluetooth	Bluetooth 5.0
Power Supply	5V/0.3A (supplied from PC via USB cable)	WLAN	802.11 a/b/g/n/ac
Dimensions (L x W x H)	99.7 x 60 x 23.2 mm	DC Input	19V DC Jack
Weight	80g	Adapter	Input: 100~240Vac/50~60 Hz Output: 65W Adaptor (19V@3.15A Adaptor)
Patient Cable	10 patient leads one-piece banana type AHA (or IEC) ECG Cable, in 1.5m or 10 patient leads one-piece snap type AHA (or IEC) ECG cable, in 0.58m	OS Compatibility	Windows 10 IoT 64bit Android 8.1 (without NFC,Barcode scanner, Smart card reader)
Operating Temperature	10 °C ~ 40 °C	Microphone	Front Microphone
Storage Temperature	-20°C ~ 50°C	Dimensions (L x W x H)	281 x 193.3 x 19.95 mm
System Requirements	OS: Microsoft Windows 7 or newer OS is required. PC display resolution (min.): 1280 x 768 PC requirement (min.): Intel® Core i5 5 GHz, processor, 4GB memory size, 300 MHz graphics base frequency	Weight	1kg
Safety Standards	Compliant with IEC/EN 60601-2-25 , IEC/EN 60601-1, IEC/EN 60601-1-2	IP Rating	IP 65
		Standards	FCC, VCCI, CCC, BSMI, EN60601-1, EN60601-1-2

Mode No.	Carry Case
Material	Aluminum cover with EVA inlining
Dimensions	415 x 320 x 100 mm
Weight	3 kg (w/o ECG, tablet, accessories)

BriteMED[®]

PRELIMINARY

Wireless 12-Lead Portable ECG

The BriteMED[®] Wireless 12-Lead Portable ECG is designed with wireless data transmission technology and operation on current mobile devices, creating true portability and easy installation for doctor visit and cost-effective tele-consultation solution. The cross-platform operation interfaces (iOS/Android/Windows) maximize installation convenience without extra costs. With clinically verified interpretation algorithm for precise health pre-screening, the ECG report can be seamlessly integrated to hospital system to synchronize patient records that shortens doctor's decision process to make quick follow-up treatment plan.



Doctor Visit, Patient Home

Benefits



True Portability

The light weight is convenient for doctors to carry out to visit bedridden and elderly home patients. The compact size and short SNAP cable are easy for integration in telemedicine kit and tele-cardiology solution.



High Usability

The optimized user interface design creates intuitive operation and the multi-language customization option allows quick localization. Waveform layout and report format are also adjustable by preferences.



Effortless Adoption

The cross-platform application program allows quick installation to current devices without extra efforts. The APIs facilitate ECG integration to various application scenarios.

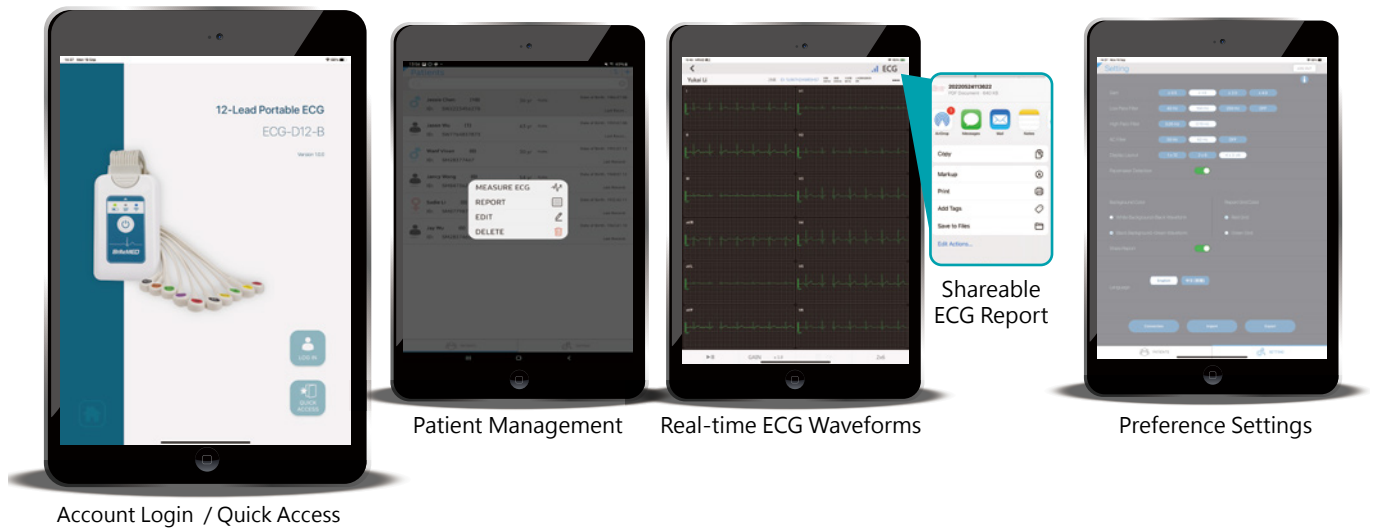


Intelligent Report System

The assistive interpretation helps doctors make instant diagnosis. Patient database can be exported to and imported from external system. The report (PNG/PDF files) can be printed, saved, and shared for quick consultation.

Intuitive User Interface

The cross-platform communication interfaces are designed with intuitive operation flow, including patient management, report sharing, and preference settings, to satisfy user requirements from diverse scenarios. Multiple user accounts can be created for data security of individual patient database. Quick access function simplifies operation flow for emergency situation.

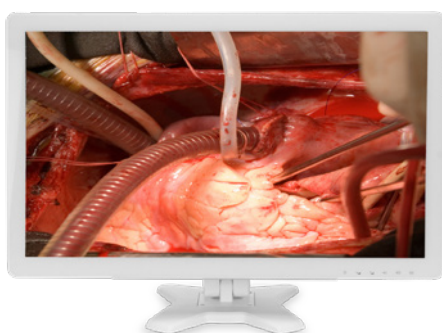
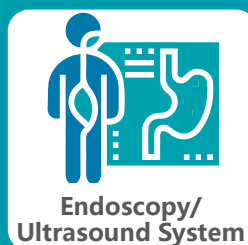


Specifications

Mode No.	ECG-D12-B
Patient Leads	12-lead electrocardiogram
Gain/Sensitivity	5, 10, 20, 40mm/mV, Deviation<5%
Sampling Rate	500 samples/second/channel
Low Pass Filter	40 Hz, 150 Hz, 200 Hz, off
High Pass Filter	0.05 Hz, 0.15 Hz
AC Filter	50 Hz, 60 Hz, off
Common Mode Rejection (CMRR)	> 90dB
Sweep Speed	25mm/s
Impedance	>2.5MΩ
Noise Level	<30uV
Channel Crosstalk	< 0.5mm
Frequency Response	0.05Hz~ 150Hz
Linear & Dynamic range	±5mV
Printing Paper Size	A4
HR Measurement Range	30BPM~250BPM, Deviation± 1BPM or ± 1% whichever is larger
Defibrillator Protection	Yes
Pacemaker Detection	Yes
Power	2 x AA batteries (suggested using Alkaline battery)
Dimensions (L x W x H)	110 x 70 x 25 mm
Weight	103g (w/o battery)
Operation Temperature	5°C ~ 40°C
Storage/ Transportation Temperature	-20°C ~ 55°C
Data Transmission	BLE 5.0
Compliance Standards	IEC/EN 60601-2-25, IEC/EN 60601-1, IEC/EN 60601-1-2
Package Contents	<ul style="list-style-type: none"> •ECG x 1 •10-electrode patient cable (banana or snap connectors, varied by models) x 1 •USB flash drive (user manual) x 1 •Quick guide x 1 •Carry bag x 1

Integrated Operating Room

The 21" and 27" high-resolution medical monitors bring the best viewing experience by displaying the image details and provide intuitive operation by touch function, perfect as a display and control terminal for various imaging modalities in operating room. In addition to connecting to endoscopy, ultrasound, or surgical light system, the monitor can also connect to PTZ camera on a mobile cart, an integrated visualization workstation, functioning as the live surgery broadcasting system for consultation and training purpose or as the tele-imaging workstation for remote triage.



MMS-27C

27" High-Brightness
Surgical Monitor



MMS-21C

21" Endoscopy
Examination Monitor



MMS-21CT

21" Medical Modality
Control Terminal

	Model with General VGA & DVI Input	Model with Traditional Analog Video Input	Model with 3G-SDI Input	Model With Touchscreen
Without HDMI input/output	MMS-21C MMS-27C	MMS-21CA MMS-27CA	MMS-21CS MMS-21CAS MMS-27CS MMS-27CAS	MMS-21CT MMS-21CAT MMS-21CST MMS-21CAST
With HDMI input/output for PIP/PBP display	MMS-21CH MMS-27CH	MMS-21CAH MMS-27CAH	MMS-21CHS MMS-21CAHS MMS-27CHS MMS-27CAHS	MMS-21CHT MMS-21CAHT MMS-21CHST MMS-21CAHST

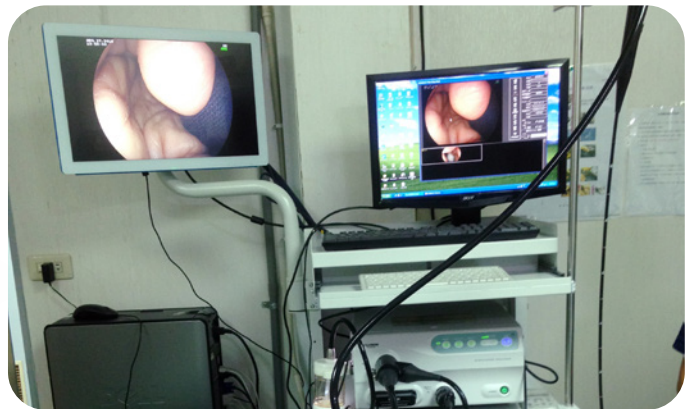
BriteMED[®]

21" Endoscopy Examination Monitor

The BriteMED[®] 21" series monitors are perfect display terminals by the unique video module design, including :VGA/DVI input for general endoscopy system, analog video module for CRT replacement for old imaging system, and HDMI video module for multi-modality imaging. The DICOM/GAMMA compliance and adjustable color temperature enable accurate and artifact-free imaging quality. The special coating glass facilitates clean and disinfection purpose in the stringent environment in the operating room.



* Stand is not included



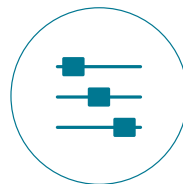
Endoscopy Examination, Examination Room

Benefits



Versatile Connections

Multiple analog and digital inputs/outputs, enable flexible connection with various devices and synchronized imaging by its loop-through technology.



Easy for Maintenance

The smart OSD allows quick monitor setting by PC. The optional GPIO port is reserved for developing customized functions and facilitating maintenance purpose.



Easy to Clean

The special-coating glass not only ensures precise Image viewing experience under strong OR lighting but also brings easy-to-clean advantage required for infection control.



Flexible Installation

The VESA 75/100 compliance supports easy installation on the stand, arm or wall mounting, making it easy to be installed on the endo cart.

Specifications

Model		MMS-21C	MMS-21CA	MMS-21CH	MMS-21CAH	MMS-21CS	MMS-21CAS	MMS-21CHS	MMS-21CAHS
Description		General VGA, DVI inputs	VGA, DVI, and multiple analog inputs	VGA, DVI, and HDMI inputs	VGA, DVI, analog, and HDMI inputs	VGA, DVI, and 3G-SDI inputs	Analog and 3G-SDI inputs	HDMI and 3G-SDI inputs	Analog, HDMI, and 3G-SDI inputs
Picture Performance	LCD Size	21.5" (16:9)							
	Resolution	1920 (W) x 1080 (H) pixels							
	Brightness (max.)	250 nits (typical)							
	Contrast Ratio	5000:1 (typical)							
	Viewing Angle (H/V)	178° / 178° (typical)							
	Color Temperature	Factory calibrated 4500K, 5500K, 6500K, 7500K							
	Gamma Correction	Factory calibrated gamma 2.0 & DICOM							
Function	Function Keys	1 x OSD rotary knob 1 x Input source quick selection 1 x Monitor sleep							
Input	VGA (DB-15)	1							
	DVI-D	1							
	HDMI	N/A	N/A	1	1	N/A	N/A	1	1
	Component	N/A	BNC x 5 (Y/Pb/Pr, R/Gs/B, R/G/B/C-Sync, R/G/B/H-Sync/V-Sync)	N/A	BNC x 5 (Y/Pb/Pr, R/Gs/B, R/G/B/C-Sync, R/G/B/H-Sync/V-Sync)	N/A	BNC x 5 (Y/Pb/Pr, R/Gs/B, R/G/B/C-Sync, R/G/B/H-Sync/V-Sync)	N/A	BNC x 5 (Y/Pb/Pr, R/Gs/B, R/G/B/C-Sync, R/G/B/H-Sync/V-Sync)
	CVBS	N/A	BNC x 1 (NTSC, PAL)	N/A	BNC x 1 (NTSC, PAL)	N/A	BNC x 1 (NTSC, PAL)	N/A	BNC x 1 (NTSC, PAL)
	S-Video	N/A	1	N/A	1	N/A	1	N/A	1
	3G-SDI	N/A	N/A	N/A	N/A	1	1	1	1
Output	Audio	Phone jack x 1							
	HDMI	N/A	N/A	1, loop through	1, loop through	N/A	N/A	1, loop through	1, loop through
	Component	N/A	BNC x 5, loop through (Y/Pb/Pr, R/Gs/B, R/G/B/C-Sync, R/G/B/H-Sync/V-Sync)	N/A	BNC x 5, loop through (Y/Pb/Pr, R/Gs/B, R/G/B/C-Sync, R/G/B/H-Sync/V-Sync)	N/A	BNC x 5, loop through (Y/Pb/Pr, R/Gs/B, R/G/B/C-Sync, R/G/B/H-Sync/V-Sync)	N/A	BNC x 5, loop through (Y/Pb/Pr, R/Gs/B, R/G/B/C-Sync, R/G/B/H-Sync/V-Sync)
	CVBS	N/A	BNC x 1, loop through (NTSC, PAL)	N/A	BNC x 1, loop through (NTSC, PAL)	N/A	BNC x 1, loop through (NTSC, PAL)	N/A	BNC x 1, loop through (NTSC, PAL)
	S-Video	N/A	1, loop through	N/A	1, loop through	N/A	1, loop through	N/A	1, loop through
	3G-SDI	N/A	N/A	N/A	N/A	1, loop through	1, loop through	1, loop through	1, loop through
	Audio	0.8W x 2							
General	Power Requirement	10V~28V DC input							
	Power Adaptor	Medical grade power adaptor: input: 100-240V AC 50-60Hz; output: 12V DC/5.42A							
	Dimensions (L x W x H)	530 x 325 x 53 mm							
	Weight	6.6 kg							
	Mounting Standard	VESA 75 x 75 mm / 100 x 100 mm							
Environment	Operating Temperature	0°C~40°C							
	Operating Humidity	10%~90% (non-condensing)							
	Storage Temperature	-20°C ~60°C							
	Storage Humidity	10%~90% (non-condensing)							
Certifications	Certifications & Compliance	ANSI/AAMI ES60601-1, EN60601-1, CAN/CSA C22.2 No. 60601-1, and FCC Class B part 18							
Package Content	Monitor	1	1	1	1	1	1	1	1
	Power Adaptor	1	1	1	1	1	1	1	1
	Power Cord	1	1	1	1	1	1	1	1
	Grounding Cable	1	1	1	1	1	1	1	1
	VGA Cable	1	1	1	1	1	1	1	1
	DVI Cable	1	1	1	1	1	1	1	1
	HDMI Cable	N/A	N/A	1	1	N/A	N/A	1	1
	USB Cable	1	1	1	1	1	1	1	1
	User Manual (USB flash drive)	1	1	1	1	1	1	1	1

BriteMED[®]

21" Medical Modality Control Terminal

The BriteMED[®] 21" Medical Modality Control Terminal, equipped with PCAP touch screen, enables intuitive operation for medical modality, such as robotic-assisted surgery. The DICOM-supported touch monitor is also an information terminal, assisting doctors to view image details and access rich information. The HDMI input allows flexible connection with different equipment, while the HDMI output synchronizes images to other monitors. The flat surface design and special-coating glass allow easy cleaning and disinfection for infection control required in clinical environments.



* Stand is not included



Surgical Robot, Surgical Room

Benefits



Versatile Connections

Multiple analog and digital inputs/outputs, including HDMI loop-through, allow flexible connections and image sharing simultaneously.



Intuitive Touch Operation

The PCAP multi-touch screen enables easy operation even in latex gloves, facilitating procedure of image-viewing and information accessing.



Easy to Clean

The special-coating glass not only ensures precise image viewing experience under strong OR lighting but also brings easy-to-clean advantage required for infection control.



Accurate Image Viewing

The DICOM and GAMMA compliance ensures precise color and grey scale reproduction, satisfying different modality imaging requirement as a perfect control terminal.

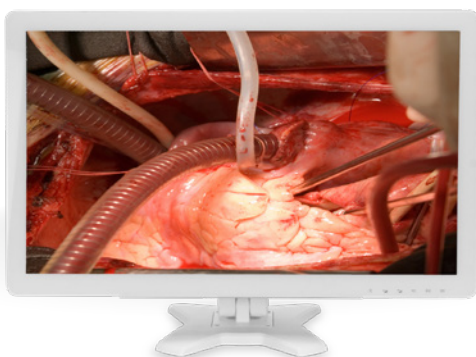
Specifications

Model		MMS-21CT	MMS-21CAT	MMS-21CHT	MMS-21CAHT	MMS-21CST	MMS-21CAST	MMS-21CHST	MMS-21CAHST
Description		Touch-screen model with general VGA & DVI inputs	Touch-screen model with analog inputs	Touch-screen model with HDMI input	Touch-screen model with analog and HDMI inputs	Touch-screen model with VGA, DVI, and 3G-SDI inputs	Touch-screen model with analog, and 3G-SDI inputs	Touch-screen model with HDMI, and 3G-SDI inputs	Touch-screen model with analog HDMI, and 3G-SDI inputs
Picture Performance	LCD Size	21.5" (16:9)							
	Resolution	1920 (W) x 1080 (H) pixels							
	Brightness (max.)	250 nits (typical)							
	Contrast Ratio	5000:1 (typical)							
	Viewing Angle (H/V)	178° / 178° (typical)							
	Color Temperature	Factory calibrated 4500K, 5500K, 6500K, 7500K							
	Gamma Correction	Factory calibrated gamma 2.0 & DICOM							
Function	Touch Screen	Projected capacitive touchscreen (USB interface)							
	Function Keys	1 x OSD rotary knob 1 x Input source quick selection 1 x Monitor sleep							
Input	VGA (DB-15)	1							
	DVI-D	1							
	HDMI	N/A	N/A	1	1	N/A	N/A	1	1
	Component	N/A	BNC x 5 (Y/Pb/ Pr, R/Gs/B, R/G/ B/ C-Sync, R/G/B/ H-Sync/V-Sync)	N/A	BNC x 5 (Y/Pb/ Pr, R/Gs/B, R/G/ B/ C-Sync, R/G/B/ H-Sync/V-Sync)	N/A	BNC x 5 (Y/Pb/ Pr, R/Gs/B, R/G/ B/ C-Sync, R/G/B/ H-Sync/V-Sync)	N/A	BNC x 5 (Y/Pb/ Pr, R/ Gs/B, R/G/ B/C-Sync, R/G/B/ H-Sync/V-Sync)
	CVBS	N/A	BNC x 1 (NTSC, PAL)	N/A	BNC x 1 (NTSC, PAL)	N/A	BNC x 1 (NTSC, PAL)	N/A	BNC x 1 (NTSC, PAL)
	S-Video	N/A	1	N/A	1	N/A	1	N/A	1
	3G-SDI	N/A	N/A	N/A	N/A	1	1	1	1
	Audio	Phone jack x 1							
Output	HDMI	N/A	N/A	1, loop through	1, loop through	N/A	N/A	1, loop through	1, loop through
	Component	N/A	BNC x 5, loop through (Y/Pb/ Pr, R/Gs/B, R/G/ B/ C-Sync, R/G/B/ H-Sync/V-Sync)	N/A	BNC x 5, loop through (Y/Pb/ Pr, R/Gs/B, R/G/ B/ C-Sync, R/G/B/ H-Sync/V-Sync)	N/A	BNC x 5, loop through (Y/Pb/ Pr, R/Gs/B, R/G/ B/ C-Sync, R/G/B/ H-Sync/V-Sync)	N/A	BNC x 5, loop through (Y/Pb/ Pr, R/Gs/B, R/ G/ B/C-Sync, R/G/B/ H-Sync/V-Sync)
	CVBS	N/A	BNC x 1, loop through (NTSC,PAL)	N/A	BNC x 1, loop through (NTSC, PAL)	N/A	BNC x 1, loop through (NTSC,PAL)	N/A	BNC x 1, loop through (NTSC, PAL)
	S-Video	N/A	1, loop through	N/A	1, loop through	N/A	1, loop through	N/A	1, loop through
	3G-SDI	N/A				1, loop through			
	Audio	0.8W x 2							
General	Power Requirement	10V~28V DC input							
	Power Adaptor	Medical grade power adaptor: input:100-240V AC 50-60Hz; output: 12V DC/5.42A							
	Dimensions (L x W x H)	530 x 325 x 53 mm							
	Weight	6.6 kg							
	Mounting Standard	VESA 75 x 75 mm / 100 x 100 mm							
Environment	Operating Temperature	0°C~40°C							
	Operating Humidity	10%~90% (non-condensing)							
	Storage Temperature	-20°C ~60°C							
	Storage Humidity	10%~90% (non-condensing)							
Certifications	Certifications & Compliance	ANSI/AAMI ES60601-1, EN60601-1, CAN/CSA C22.2 No. 60601-1, and FCC Class B part 18							
Package Content	Monitor	1	1	1	1	1	1	1	1
	Power Adaptor	1	1	1	1	1	1	1	1
	Power Cord	1	1	1	1	1	1	1	1
	Grounding Cable	1	1	1	1	1	1	1	1
	VGA Cable	1	1	1	1	1	1	1	1
	DVI Cable	1	1	1	1	1	1	1	1
	HDMI Cable	N/A	N/A	1	1	N/A	N/A	1	1
	Touchscreen Cable	1	1	1	1	1	1	1	1
	USB Cable	1	1	1	1	1	1	1	1
	User Manual (USB flash drive)	1	1	1	1	1	1	1	1

BriteMED[®]

27" High-Brightness Surgical Monitor

The BriteMED[®] 27" series monitors feature 700-nits high-brightness panel, perfect for viewing the details of both grayscale and color images. The 3G-SDI input/output video module is designed for the latest high-resolution endoscope system. The DICOM/GAMMA compliance and adjustable color temperature enable accurate and artifact-free imaging quality. The HDMI add-on video module allows picture-in-picture and picture-by-picture display for multi-modality imaging applications and connects directly to PTZ camera for the cost-effective surgical visualization system.



* Stand is not included



Surgical Light System, Surgical Room

Benefits



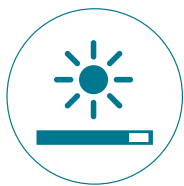
Versatile Connections

Multiple video modules allow flexible connections: DVI input for general connection, HDMI input/output featuring multi-modality display, and 3G-SDI module for advanced endoscopy system.



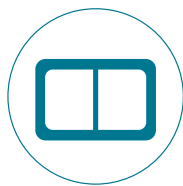
Quality Imaging

The DICOM and GAMMA compliance ensures optimized color and gray scale reproduction, bringing the accurate and quality imaging for further diagnosis.



Exceptional Clarity

The 700-nits high brightness panel enhances clarity and details for both color and grayscale images. Color temperature is adjustable for specific requirements.



Two-Channel Image Display

The picture-in-picture and picture-by-picture settings allow the image from two sources when performing endoscope procedure with the comparison of ultrasound imaging.

Specifications

Model		MMS-27C	MMS-27CA	MMS-27CH	MMS-27CAH	MMS-27CS	MMS-27CAS	MMS-27CHS	MMS-27CAHS
Description		General VGA, DVI inputs	Multiple analog inputs	VGA, DVI, and HDMI inputs	VGA, DVI, analog, and HDMI inputs	VGA, DVI, and 3G-SDI inputs	Analog and 3G-SDI inputs	HDMI and 3G-SDI inputs	Analog, HDMI, and 3G-SDI inputs
Picture Performance	LCD Size	27" (16:9)							
	Resolution	1920 (W) x 1080 (H) pixels							
	Brightness (max.)	700 nits (typical)							
	Contrast Ratio	1000:1 (typical)							
	View Angle (H/V)	178° / 178° (typical)							
	Color Temeperature	Factory calibrated 5500K, 6500K, 7500K, 9300K							
	Gamma Correction	Factory calibrated gamma 2.0 & DICOM							
Function	Function Keys	1 x MENU 1 x Input source 1 x Custom input				1 x Backlight up /+ 1 x Backlight down / - 1 x Image size adjustment			
Input	VGA (DB-15)	1							
	DVI-D	1							
	HDMI	N/A	N/A	1	1	N/A	N/A	1	1
	Component	N/A	BNC x 5 (Y/Pb/ Pr, R/Gs/B, R/G/ B/C-Sync, R/G/B/ H-Sync/V-Sync)	N/A	BNC x 5 (Y/Pb/ Pr, R/Gs/B, R/G/ B/C-Sync, R/G/B/ H-Sync/V-Sync)	N/A	BNC x 5 (Y/Pb/ Pr, R/Gs/B, R/G/ B/C-Sync, R/G/B/ H-Sync/ V-Sync)	N/A	BNC x 5 (Y/Pb/ Pr, R/Gs/B, R/G/ B/C-Sync, R/G/B/ H-Sync/V-Sync)
	CVBS	N/A	BNC x 1 (NTSC, PAL)	N/A	BNC x 1 (NTSC, PAL)	N/A	BNC x 1 (NTSC, PAL)	N/A	BNC x 1 (NTSC, PAL)
	S-Video	N/A	1	N/A	1	N/A	1	N/A	1
	3G-SDI	1							
	Audio	Phone jack x 1							
Output	HDMI	N/A	N/A	1, loop through	1, loop through	N/A	N/A	1, loop through	1, loop through
	Component	N/A	BNC x 5, loop through (Y/Pb/ Pr, R/Gs/B, R/G/ B/C-Sync, R/G/B/ H-Sync/V-Sync)	N/A	BNC x 5, loop through (Y/Pb/ Pr, R/Gs/B, R/G/ B/C-Sync, R/G/B/ H-Sync/V-Sync)	N/A	BNC x 5, loop through (Y/Pb/ Pr, R/Gs/B, R/G/ B/C-Sync, R/G/B/ H-Sync/V-Sync)	N/A	BNC x 5, loop through (Y/Pb/ Pr, R/Gs/B, R/G/ B/C-Sync, R/G/B/ H-Sync/V-Sync)
	CVBS	N/A	BNC x 1, loop through (NTSC, PAL)	N/A	BNC x 1, loop through (NTSC, PAL)	N/A	BNC x 1, loop through (NTSC, PAL)	N/A	BNC x 1, loop through (NTSC, PAL)
	S-Video	N/A	1, loop through	N/A	1, loop through	N/A	1, loop through	N/A	1, loop through
	3G-SDI	N/A	N/A	N/A	N/A	1, loop through			
	Audio	0.8W x 2							
General	Power Requirement	10V~28V DC input							
	Power Adaptor	Medical grade power adaptor: input: 100-240V AC 50-60Hz; output: 12V DC/7.5A							
	Dimensions (L x W x H)	657 x 399 x 59.5 mm							
	Weight	10 kg							
	Mounting Standard	VESA 100 x 100 mm / 200 x 100 mm							
Environment	Operating Temperature	0°C~40°C							
	Operating Humidity	10%~90% (non-condensing)							
	Storage Temperature	-20°C ~60°C							
	Storage Humidity	10%~90% (non-condensing)							
	Certifications & Compliance	ANSI/AAMI ES60601-1, EN60601-1, CAN/CSA C22.2 No. 60601-1, and FCC Class B part 18							
Package Content	Monitor	1	1	1	1	1	1	1	1
	Power Adaptor	1	1	1	1	1	1	1	1
	Power Cord	1	1	1	1	1	1	1	1
	Grounding Cable	1	1	1	1	1	1	1	1
	VGA Cable	1	1	1	1	1	1	1	1
	DVI Cable	1	1	1	1	1	1	1	1
	HDMI Cable	N/A	N/A	1	1	N/A	N/A	1	1
	USB Cable	1	1	1	1	1	1	1	1
	User Manual (USB flash drive)	1	1	1	1	1	1	1	1

Intelligent Mobile Workstation

The intelligent mobile workstations from BriteMED include mobile/computer carts, medical all-in-one series, and medical battery system. A wide range of accessories are available to satisfy various requirements in the clinical environment. The turnkey solutions enable seamless communication and streamline regular workflow for ward-round service, point of care, telehealth applications



Ward Round



Point of Care



Telehealth



Imaging Gateway



Documentation Workstation

Includes medical all-in-one cart and laptop cart.



Telehealth Workstation

Includes a turnkey solution with mobile cart, battery medical PC and PTZ camera.



Emergency/Medication Workstation

Includes emergency cart with specified accessories and integrated workstation with medical cart panel PC.



Medical Battery System

High power capacity battery system supplies power simultaneously to multiple devices for mobility and workflow efficiency.

Application	Panel Size	
	21.5"	24"
Ward-round Service	21.5" Medical Cart Panel PC: POCm-W22C-ULT3 / POCm-W22C-ADL	24" Medical Cart Panel PC: POCm-W24C-ULT3 / POCm-W24C-ADL
Point-of-Care Terminal		
Telehealth and Tele-Consultation		
Imaging Modality Gateway	21.5" Modality Imaging Gateway: POCi-W22C-ULT3	24" Modality Imaging Gateway: POCi-W24C-ULT3

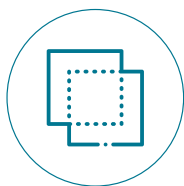
BriteMED[®] Mobile Cart

The BriteMED[®] Mobile Cart series is in wide selection for medication, emergency, ICU and documentation purpose. To combine with the BriteMED medical all-in-ones and medical battery system, it provides all-in-one advantage to become an intelligent workstation for nursing ward round, tele-diagnosis application and e-medication management. The special coating surface on the computerized medical cart facilitates sterilization for infection control required in the hospital environment.



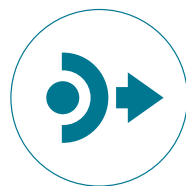
Ward-Round Service, Nursing Station

Benefits



Computer Integration

The VESA 75/100 compliant arm facilitates integration with battery medical cart PC facilitates rapid data delivery with hospital information system. The BriteMED medical battery system can be flexibly integrated for supplying long-lasting power.



Durable Structure

The robust structure ensures the strength and makes it bump resistant when moving around. The quality-assured casters enable better steering control.



Easy Clean and Maintenance

The ABS working table and special powder coating surface prevents the cart from scratching and making it easy to be sterilized without any erosion risk.



Flexible Configuration

The configuration of different drawers increases storage capacity for various types of hospital supplies. A wide range of accessories are available for medication, documentation, and emergency purpose.

Mobile Cart Solutions



pCART-N1



pCART-D1



pCART-D1-N

Specifications

Model No.		pCART-N1	pCART-D1	pCART-D1-N
Description		Ergonomic for medication use	Workstation with battery bin	Lightweight panel PC workstation
Size (L x W x H)		678 x 536 x 1027 mm	538 x 449 x 900~1200 mm	
Main Material		Aluminum alloy		
Working Table (L x W)		590 x 450 mm	538 x 449 mm	
Side Table Loading Weight (max.)		8 kg	N/A	
Loading Weight		Supported arm*: 12 kg	Supported arm:1~8 kg	
VESA*		75/100 mm	75/100 mm	
Height Adjustment Range (from ground to top work surface)		N/A	300 mm	
Keyboard tray (W x D)		N/A	460 x 220 mm	
Standard Drawer Configuration	Total Height	27"	N/A	N/A
	3" keyboard drawer	1	N/A	N/A
	3" drawer/ABS tray	1	N/A	N/A
	3" medication drawer	3	N/A	N/A
	6" drawer	2	N/A	N/A
	9" drawer	N/A	N/A	N/A
Mouse Holder		N/A	1	1
Scanner Holder		N/A	1	N/A
Storage Basket		N/A	1	N/A
Battery Compartment (L x W x H)		N/A	197 x 256 x 168 mm Loading (max.): 20 kg	N/A
Wheels		Four 5" twin-wheel casters, two with brake function	Four 4" twin-wheel casters, two with brake function	

*Optional for pCART-N1.

Mobile Cart Solutions



pCART-D2



pCART-D3



pCART-D4

Specifications

Model No.	pCART-D2	pCART-D3	pCART-D4
Description	Panel PC workstation with expanded flexibility	Cost-effective AIO workstation	Compact laptop workstation
Size (L x W x H)	611 x 480 x 1270 mm	598 x 490 x 830~1080 mm	
Main Material	Aluminum alloy		
Working Table (L x W)	517 x 261 mm	537 x 435 mm	N/A
Device Plate (L x W)	N/A	N/A	N/A
Laptop Compartment (L x W x H)	N/A	N/A	460 x 280 x 33 mm
Loading Weight	Supported arm: 6~12 kg	Supported arm: 1~8 kg	Working table: 1~5 kg
VESA	75/100 mm	75/100 mm	N/A
Height Adjustment Range (from ground to top work surface)	300 mm	250 mm	N/A
Keyboard Tray (W x D)	449 x 207 mm	410 x 217 mm	
Mouse Holder	1	N/A	N/A
Scanner Holder	N/A	N/A	N/A
Storage Basket	1	N/A	N/A
Wheels	Four 4" twin-wheel casters, two with brake function		

Optional Accessories Overview

			pCART-N1	pCART-D1	pCART-D1-N	pCART-D2	pCART-D3	pCART-D4
BriteMED® 21"/24" Battery Medical Cart PC 			<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
Side Accessories (Including Side Rail)	Bottle Holder 310 x 110 x 80 mm 	<input type="radio"/>						
	Multi-Storage Holder 330 x 130 x 180 mm 	<input type="radio"/>						
	Glove Holder 260 x 80 x 130 mm 	<input type="radio"/>						
	Catheter Holder 100 x 100 x 480 mm 	<input type="radio"/>						
	IV Pole 310 x 110 x 80 mm 	<input type="radio"/>						
	Aluminum Defibrillator shelf Wide range: 335mm~ 406 mm 	<input type="radio"/>						
	CPR Board hooks x 1 set; EVA x 2 pcs 	<input type="radio"/>						
	3L Sharps Container (Yellow) 180 x 120 x 110 mm 	<input type="radio"/>						
	1.7L Sharps Container (Red) 120 x 120 x 90 mm 	<input type="radio"/>						
	10L Metal Waste Bin 400 x 170 x 340 mm 	<input type="radio"/>						
	9L Plastic Waste Bin 260 x 150 x 180 mm 	<input type="radio"/>						

Optional Accessories List

			pCART-N1	pCART-D1	pCART-D1-N	pCART-D2	pCART-D3	pCART-D4
Drawers and Accessories	3" Fied Divider Set 3 short, 3 fixed, 2 strips		O					
	6" Fixed Divider Set 2 short, 2 fixed, 2 strips		O					
	3" Medicine Bin 230 x 110 x 75 mm		O					
	VESA 75/100 Monitor / Panel PC Arm		O					
	Drawer With Lock 440 x 270 x 75 mm			O	O		O	O
	A4 Storage Basket				O		O	O
	Medication Drawer 460 x 240 x 195 mm			O	O		O	O
	Storage Basket for Cables & Peripherals, 330 x 120 x 180 mm				O		O	O
	4 Inch High Drawer With lock 426 x 415 mm					O		
	Medicine Container 426 x 414 x 108 mm					O		
	Camera loading kit 145 x 490 x 240 mm					O		
	BriteMED Medical Battery System (Incl.: mounting kit)			O	O	O		

BriteMED[®]

Telehealth Workstation

The Telehealth Workstation from BriteMED is a complete solution for telehealth consultation and live surgery broadcasting. Integrated with medical cart panel PC, PTZ camera, and medical battery system*, it facilitates patient data input, clear patient assessment, and live video conference in an intuitive interface with remote physicians. 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. While in operating room, installing the BriteMED[®] Medical Monitor series, PTZ camera, and medical battery system* on the cart becomes a tele-imaging workstation for mobile surgical visualization system.



Tele-imaging Workstation, Operating Room

Benefits



Intuitive Operation

The multi-touch medical cart panel PC brings all-in-one advantage and intuitive operation by latex gloves without any trouble.



Flexible Applications

The Full HD 12x PTZ camera, with HDMI, 3G-SDI, IP multi-outputs, provides clear imaging for patient assessment and surgery broadcasting. The built-in 5MP front-facing camera of medical cart panel PC provides a cost-effective solution for tele-conferencing applications.



No Downtime

The high-capacity batteries of medical cart panel PC provide uninterrupted power on demand. By integrating BriteMED[®] Medical Battery System, all devices are simultaneously powered for long-time operation.



Easy Disinfection

The IP-compliant front panel and ABS enclosure of medical cart panel PC feature chemical-resistant and water-proof advantage, facilitating frequent disinfection required, especially during the pandemic.

*See P27 for medical battery system specifications.

Specifications-Medical Cart Panel PC

LCD Specifications	LCD Display	21.5" (16:9)	
	Max Resolution	1920 (W) x 1080 (H)	
	Brightness (cd/m ²)	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)	

Specifications-Cart

Size (Lx W x H)		611 x 475 x 1265 mm	
Structure		Aluminum-alloy	
Working Table (ABS surface)	Dimensions (LxW)	517 x 261 mm	
Supported Arm (VESA 75/100)	Loading weight (max.)	8 kg	
Standard Drawer Configuration: * Drawers are metallic and powder coated, including stainless steel slippery track and 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"	

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) kg
	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

BriteMED[®] Medical Battery System

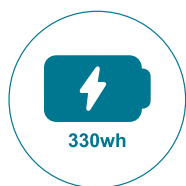
PRELIMINARY

The BriteMED[®] Medical Battery System, with up to 330 Wh power capacity, streamlines the workflow process without charging interruptions by simultaneously supplying power to multiple devices, perfect for ward-round service, telehealth workstation, and mobile equipment. The stringent IEC/EN 60601 safety and EMC testing ensures the safety and reliability for medical use.



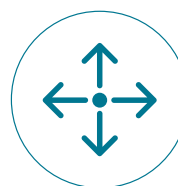
Ward-round Service, Nursing Station

Benefits



High Power Capacity

The 330 Wh power capacity provides uninterrupted power for ward-round service, improving efficiency by saving routine charging time and creating true mobility.



Multiple Outputs

Multiple outputs with switchable voltages allow flexible connection to various equipment in clinical environment and synchronize connection of multiple devices for telehealth workstations.



Easy to Install

The user-friendly mounting kit takes only few steps to fix the battery system on the arm, providing installation flexibility for different types of mobile workstations.



Quick Monitoring

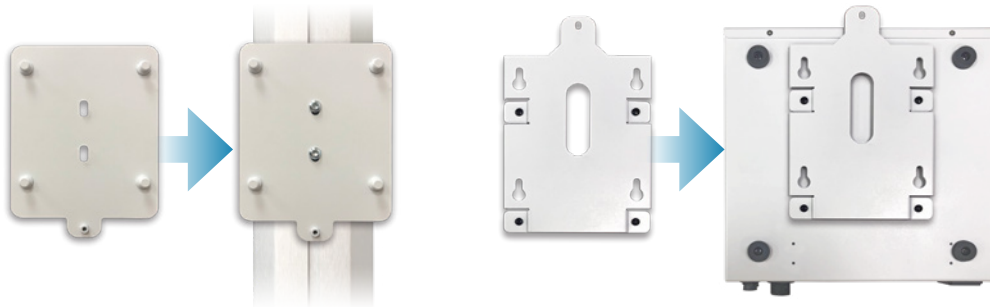
The intuitive LED indicators quickly show the remaining capacity and when to charge. The software monitoring system can further display the battery life cycle and log report, making future maintenance easier than ever.

Designed for Mobile Carts

By BriteMED® intuitive mounting kit, users can quickly install the battery system on different mobile carts.

1.

Lock the brackets separately on the mobile cart and on the back of battery system.



2.

Position the mounting holes of the battery system corresponding to the ones of the bracket.



3.

Tighten the lock screw to fix the power module and complete the installation.



Specifications

Capacity	330 Wh
Battery Type	Li-ion
Charging Time	3.5 hrs
Input Voltage	100~240V
Output Voltage	Output-1: 19Vdc/24Vdc switchable (Max. 120W) Output-2: 12Vdc/15Vdc switchable (Max. 60W) Output-3: 5Vdc (USB power. max. 7.5W)
Dimensions	266 (L) x 226 (W) x 94 (H)
Remote Unit Indicator	LED indicators for battery status
Remote Control	Management interface for battery capacity, lifecycle, temperature, etc.

BriteMED[®]

Medical Cart Panel PC

The BriteMED[®] Medical Cart Panel PC is designed for medical cart applications. Three hot-swappable batteries sustain for 8-hour continuing operation, no need to recharge during one nurse shift. Supported up to 12th Gen Intel[®] Core[™] processor* allows multi-channel video conferencing for quick cross-department consultation or video streaming. The rich IO ports, including DC output*, allow versatile connections with peripherals, such as barcode reader or printer, to enhance the efficient ward-round workflow. The reliable network connection ensures data synchronization and no data loss between medical record system and the medical cart, the point-of-care terminal.



Point of Care, Recovery Room

Benefits



No Downtime

The hot swappable batteries (up to 291 Wh*) provide uninterrupted power on demand and enable effortless charging advantage by wall power socket or the optional battery charger.



Extended Network

Two GbE LAN and high-speed wireless module feature real-time and interruption-free network connection retrieving medical records quickly and reliably without any data loss.



Unparalleled Flexibility

The multiple serial and network IO ports allow integration with barcode scanner, RFID reader, keyboard/mouse and printer, allowing extended functionality as a point-of-care terminal.



Easy Disinfection

The IP65-compliant front panel and ABS enclosure with all-in-one touch operation without extra accessories feature easy cleaning for high level infection control in hospitals.

* Only for POCm-W22C-ADL & POCm-W24C-ADL.

Specifications

PRELIMINARY

PRELIMINARY

Model		POCm-W22C-ULT3		POCm-W24C-ULT3	POCm-W22C-ADL		POCm-W24C-ADL		
Description	CPU	6th Generation Intel® mobile ULT Core™ i7/i5/Celeron® processor			12th Gen Intel® Core™ i5-1245UE/i7-1265UE (Alder Lake-P)				
	Memory	1 x 4GB, 260-pin 2133/1866 MHz dual-channel DDR4 non-ECC unbuffered SO-DIMMs (system max. 32GB)			On-board 16GB 1866MHz LPDDR4X				
	Storage	1 x 2.5" accessible SATA HDD bay 2 x M.2 2280 M key (PCIe/SATA) with RAID							
	Camera	5-megapixel CMOS front-facing camera with auto-focus and digital microphone			5-megapixel CMOS front-facing camera / AI camera (optional)				
	Expansion Interface	1 x Full-size/half-size PCIe Mini (PCIe+USB)			1 x PCIe Mini (PCIe) 1 x M.2 2230 A-E key (PCIe+USB) 2 x M.2 2260/80 B-M key (PCIe/SATA)				
Display	Size	21.5"		23.8"		21.5"		23.8"	
	Max Resolution	1920 (W) x 1080 (H)		1920 (W) x 1080 (H)		1920 (W) x 1080 (H)		1920 (W) x 1080 (H)	
	Luminance (cd/m²)	250		250		350		350	
	Contrast Ratio	1000:1		1000:1		1000:1		1000:1	
Touch screen	Type	Projected capacitive type with 10-point multi-touch							
Front Button	Function Key	1 x System on/off 1 x Brightness down 1 x Brightness up 1 x Volume down 1 x Volume up 1 x LCD on/off and Touch lock for cleaning		1 x System on/off 1 x Brightness down 1 x Brightness up 1 x Volume down 1 x Volume up 1 x LCD on/off and Touch lock for cleaning		1 x Power on/off 1 x Volume up 1 x Volume down 1 x Brightness up 1 x Brightness down 1 x LCD on/off and touch lock for cleaning			
I/O Ports	USB 3.2 Type-C	NA		NA		1 (DP + USB 5V/3A)			
	USB 3.2 Gen 2	NA		NA		2			
	USB 3.2 Gen 1	4		4		NA			
	USB 2.0	2		2		4			
	RS-232/422/485	2		2		1			
	GbE LAN by RJ-45	2		2		2			
	HDMI Out	2		2		1			
	RFID	Optional: Mifare 13.56 MHz card reader							
	Digital Mic	1		1		1		1	
	Mic in	1		1		1		1	
	Audio Jack (line out)	1		1		1		1	
	DC Jack	1		1		1		1	
	DC Output	NA		NA		1 (12V/19V/24V, 20-watt)			
	Power Button	1		1		1		1	
LED	Indicator	RFID indicator, 3-color battery status indicator, power indicator							
Audio	Speaker	2 x 2W							
Wireless	WLAN/Bluetooth	IEEE 802.11 a/b/g/n/ac 2T2R module with Bluetooth V4.2 (M.2 2230)		IEEE 802.11 a/b/g/n/ac 2T2R module with Bluetooth V4.1 (M.2 2230 A-E key module)		IEEE 802.11ax 2T2R module (Wi-Fi 6E) with BT v5.2 (M.2 2230 A-E key)			
Software	OS	64-bit Windows Embedded Standard 10 E, with DVD-ROM							
Mechanical	Mouting	VESA 100 x 100 mm / 75 x 75 mm							
	Dimension (WxHxD)	543 x 350 x 71 mm		595 x 380 x 71 mm		543 x 350 x 71 mm		594.6 x 379.6 x 71 mm	
	Weight	8.43 kg (w/ batteries)		9.53 kg (w/ batteries)		8.43 kg (w/ batteries)		9.53 kg (w/ batteries)	
Power	Power Requirement	19V DC input							
	Power Adaptor	150W medical power adapter							
	Battery	3 slots for Li-ion battery pack (87 Wh / pack)				3 slots for Li-ion battery pack (97 Wh / pack)			
Environment	Operating Temperature	0°C~40°C							
	IP Level	IP65 compliant front panel							
Certifications	Safety	CE, FCC Class B part 18, ANSI/AAMI ES60601-1, CAN/CSA-C22.2 No. 60601-1:14, IEC 60601-1-6/IEC62366, ISO 14971				CE, FCC Class B Part18, EN 60601-1: 2006/A1:2013 (Edition 3.1) EN 60601-1-2: 2015 (Edition 4.0)			
Package Content		• Panel PC x 1 • Installation Quick Guide x 1 • 150W medical power adapter: Input: 100V~240V AC, Output: 19 V DC x 1 • European power cord: 1830 mm x 1				• Panel PC x 1 • Installation Quick Guide x 1 • 150W medical power adapter: Input: 100V~240V AC, Output: 19 V DC x 1 • European power cord: 1830 mm x 1			

BriteMED[®]

Modality Imaging Gateway

The high-performance, 8th Generation Intel[®] mobile ULT Core™ i7/i5 supported medical panel PC features DICOM compliance to ensure both color and grayscale imaging quality. The expandable interface for video card and capture card is perfect for operating room, radiology, or telemedicine medical modality gateway.



Location: MRI Room

Benefits



Quality Imaging Display

The DICOM compliance ensures accurate grayscale reproduction, featuring multi-modality image processing & integration for surgical and telemedicine applications.



Flexible Expansion

The expandable PCIe x4 slot makes a wide range of connection with graphic card, video capture card, isolation I/O card and edge computing card, satisfying the video processing demand in tele-conference and OR applications.



High Computing Power

The Intel[®] 8th Generation Intel[®] mobile ULT Core™ Processor provides high computing performance for multi-channel tele-conference. The USB 3.2 ports have higher bandwidth, bringing quick data transmission capability.




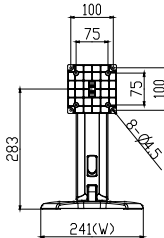
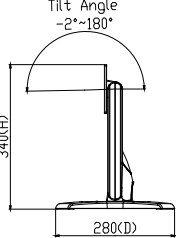

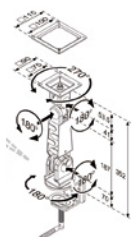

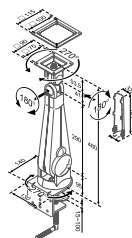

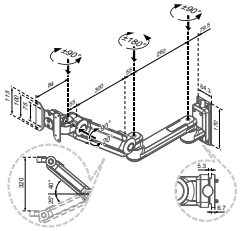
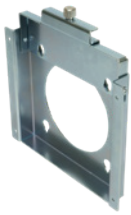
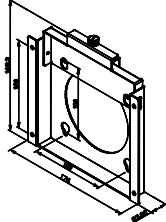

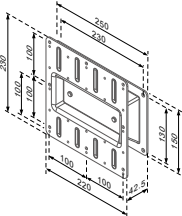
Easy Sterilization

The aluminum front frame is durable and prevents it from chemical erosion. The IP66-compliant front bezel and true flat OSD button with no accessible corner bring convenience of cleaning & sterilization by high level disinfectants.

Specifications

Model		POCi-W22C-ULT5	POCi-W24C-ULT5
Hardware	CPU	Intel® Core™ i7-8665UE (Whiskey Lake ULT platform) Intel® Core™ i5-8365UE (Whiskey Lake ULT platform)	Intel® Core™ i5-8365UE (Whiskey Lake ULT platform) Intel® Core™ i7-8665UE (Whiskey Lake ULT platform)
	Memory	2 x 260-pin 2400/2133MHz dual-channel DDR4 SO-DIMM, 4GB pre-installed (system max. 64GB)	2 x 260-pin 2400/2133MHz dual-channel DDR4 SO-DIMM, 4GB pre-installed (system max. 64GB)
	Storage	1 x 2.5" accessible SATA HDD/SSD bay 1 x M.2 2242/60/80 M key (PCIe x4)	1 x 2.5" accessible SATA HDD/SSD bay 1 x M.2 2242/60/80 M key (PCIe x4)
	Expansion Interface	1 x PCIe x4	
	Lan Controller	1 x Intel® I211 Ethernet Controller 1 x Intel® I219 Ethernet Controller (AMT 12.x supported by i7/i5 SKUs)	
Display	Size	21.5"	23.8"
	Max Resolution	1920 (W) x 1080 (H)	1920 (W) x 1080 (H)
	Luminance (cd/m2)	350	350
	Contrast Ratio	1000:1	1000:1
	Pixel Pitch (mm)	0.24795 x 0.24795 mm	0.2745 x 0.2745 mm
	Viewing Angle	178° / 178°	178°/178°
	Backlight MTBF (hrs)	30,000	30,000
Touch screen	Type	Projected capacitive 10-point multi-touch	Projected capacitive type with 10-point multi-touch
Front Button	Function Key	1 x Power on/off 1 x Reading light on/off 1 x Brightness up 1 x Brightness down 1 x LCD & touch lock on/off 1 x DICOM mode app on/off (optional)	1 x Power on/off 1 x Reading light on/off 1 x Brightness up 1 x Brightness down 1 x LCD & touch lock on/off 1 x DICOM mode app on/off (optional)
I/O Ports	USB 3.2 Gen 2	4	4
	USB 2.0 (Side)	2	2
	RS-232 (1.5KV isolated)	1	1
	GbE LAN I219 (Support Intel® vPro)	1	1
	GbE LAN I211	1	1
	HDMI out	1	1
	Audio Jack (audio out & mic in)	1	1
	DC Jack	1	1
LED	Indicator	1 x RFID indicator (optional)	1 x RFID indicator (optional)
	Reading Light	Dual reading light	Dual reading light
Audio	Speaker	2 x 2W speaker	2 x 2W speaker
Wireless	WLAN/Bluetooth	IEEE 802.11ax 2T2R module (Wi-Fi 6) with BT v5.0 (M.2 2230 A-E key)	IEEE 802.11ax 2T2R module (Wi-Fi 6E) with BT v5.0 (M.2 2230 A-E key)
Mechanical	Material	Front bezel: Aluminum die-casting Rear cover: ABS+PC plastic with anti-bacterial material	Front bezel: Aluminum die-casting Rear cover: ABS+PC plastic with anti-bacterial material
	Mouting	VESA 75 x 75 mm / 100 x 100 mm	VESA 75 x 75 mm / 100 x 100 mm
	Dimension (W*H*D)	507.5 x 335.5 x 64.5 mm	567 x 370.6 x 63.9 mm
	Weight	6.9 kg	8.1 kg
Power	Power Requirement	19V DC input	19V DC input
	Power Adaptor	150W medical power adapter	150W medical power adapter
	Battery	3S3P Li-ion battery pack, 11.1V, 7800mAh (optional)	
	Built-in Medical Power	150W, 85V – 264V AC, medical power supply (optional)	
Environment	Operating Temperature	0°C~40°C	0°C – 40°C
	Storage Temperature	-20°C~60°C	-20°C – 60°C
	Humidity	10% to 95% (non-condensing)	10% – 95% (non-condensing)
	IP Level	Front: IP66	Front: IP66
Certifications	Safety	CE, FCC Class B Part18 EN 60601-1: 2006/A1:2013 (Edition 3.1) EN 60601-1-2: 2015 (Edition 4.0)	CE, FCC Class B Part18 EN 60601-1: 2006/A1:2013 (Edition 3.1) EN 60601-1-2: 2015 (Edition 4.0)
Package Content		• Panel PC x 1 • 150W medical power adapter • European power cord: 1830 mm x 1	• Panel PC x 1 • 150W medical power adapter • European power cord: 1830 mm x 1

Mounting Options

Part Number		15"~21" Panel PC/Monitor	27" Panel PC/Monitor
VESA75/100 STAND			
STAND-DWH-R10 In white color, supports up to 15kg.	  	●	●
Part Number		15"~21" Panel PC/Monitor	27" Panel PC/Monitor
VESA75/100 Clamp Type Arm			
ARM-11-RS In silver color, supports from 3kg to 8kg.	 	●	
ARM-31-RS In white color, supports from 7kg to 14kg.	 	●	●
VESA75/100 Wall Mount Arm			
ARM-D15M-R10 In white color, supports up to 8kg.	 	●	●
VESA100/200 Wall Mount Kit			
AFLWK-19B VESA 100 with retention screws, in silver color, supports up to 7.5kg	 	●	
WK-E35M-R10 VESA 100/200/200x100 wall mount kit, in silver color, supports up to 35kg	 	●	●



About BriteMED

BriteMED is a compound word that combines "Brite" and "MED", aiming to provide "medical" professionals and patients a "bright" life by technology-driven solutions. With the calm blue and green mixed color of logo design, BriteMED has the brand positioning of trusted product quality and professional service spirit. The upmost technology-driven solution that enhances life quality is BriteMED's commitment for medical professionals and patients.



Celebrate Humanity with Technology



BriteMED

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