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CCPT50C Touch Color Doppler Ultrasound Scanner System

Technical Specification

CCPT50C Unique Selling Point:

1#	Ergonomic Design	Up to 3 Transducer Ports
		Light Weight and Compact
		Large Anti-flickering HD Screen
		Tilting Monitor Angle Adjustment
		Long- lasting Battery
2#	Ease of Use	Touch, enhance exam productivity also minimize most of users learning curve.
		Auto Image Optimized
		Simply software work flow
		Wi- Fi Available
		"Station" for patient management
3#	Expansive Accessories	DICOM 3.0
		Height Adjustable Trolley
		Durable, Carry-on Site Suitcase
4#	Efficient Diagnosis	Spatial Compound Imaging
		Wide- angle imaging
		Panoramic focusing technology
		Tissue Specific Imaging

Entry level color Doppler systems
for professional practitioner, very

1 System Overview**Standard Features:**

An entry- level fully-featured touch Color Doppler ultrasound system, CCPT50C employs the advanced technologies and ergonomic concept developed for next generation imaging systems, in all applications. Simple touch to save time, this simple operation helps enhance exam productivity and increase patient throughput, also minimize most of users learning curve. In addition, CCPT50C is the most lightweight hand-carried portable ultrasound with three probe ports in the world, deliver superb image quality in many clinics, hospitals or practice settings across multiple examinations.

Application scenarios:

- Applicable to different body scans, for example, Abdomen, Obstetrics, Gynecology, Cardiology, Small Parts, Urology, Kidney, MSK(Musculoskeletal); Carotid; Orthopedic; Vascular
- and varied user environment. Ultrasonography, emergency, operating room, ICU, ward and out-call, etc

Ultrasound platform:

Based on linux, stable performance, security data

Imaging Modes:

B, B&M, 2B, 4B, B+Color, B+Power, PW

Gray scale levels:

256

Transducer Type:

Convex Array, Linear Array, Endocavity Array

Transducer frequency:

2- 12Mhz

Transducer connector:

3 active transducer connectors support quick switch between different probe needs, unique micro connector

Scanning depth:

up to 300mm

Language: Software: English, Chinese, Spanish, Russian, Italian, Czech, and more (ODM support!)
 Keyboard Input: English, Chinese, and more (ODM support!)
 User Manual: English, Chinese

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Physical Spec

System Dimension: Height: 402 mm Width: 385 mm Depth: 53 mm

Weight: Around 4.8 kg (Include Battery)

Monitor:

- 15" high resolution LCD monitor with tilting to view it freely and comfortably
- Resolution: 1024×768
- Brightness Adjustable
- Max Opening Angle: 45°

Touchscreen: Fully resistive touch screen/
capacitive touch screen (reserved)

Transducer element : 128

Power: System operates via AC power & battery

AC Adapter:

- Model: MANGO- ChinaCare- 15AD
- Voltage: 100- 240VAC
- Frequency: 50/60 Hz
- Current: 5A
- Output: 15V

Battery: (optional)

- Model: LY606090
- Lithium-Ion, 11.1V, 7000mAh
- Charge to Full: 6 hours
- Max Duration: 180 minutes realtime scan *

* vary on the configuration and different working condition, for more details to contact the sales

Operating Environment:

- Temperature: 0-40 °C
- Humidity: 30%-85% (non-condensing)
- Pressure: 700hPa- 1060hPa

Storage and Transport:

- Temperature: - 20-55 °C
- Humidity: 30%-95% (non-condensing)
- Pressure: 700hPa- 1060hPa



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User Interface

Control Panel:

- Easily be adjusted to the user's preferred height (up to 45°)
- iBscan™ Quick Image Optimization
- Image clip board for thumbnail view

Boot-up and Power off:

- Hard boot-up in 35s
- Power off in 1s

Comment:

- Text and arrow available
- Size of text and arrow adjustable
- Set home position for comment initiation
- Full packages for all application
- User-defined text

Bodymark:

- Bodymark patterns for all application
- Support transducer mark

Screen Displayed Info*:

- ChinaCare Logo
- Hospital Name
- Exam Date
- Exam Time
- Acoustic Power
- MI
- ID, Name
- Probe
- TGC Curve
- Focus Position
- Thumbnail
- Image Parameters

* Not all items are listed in here, please refer to user manual for detailed info.

4 Imaging Processing

<i>Dynamic imaging technologies:</i>	Wide-angle imaging Panoramic focusing technology Rolling M technology
<i>THI:</i>	Tissue Harmonic Imaging
<i>Pre-processing:</i>	Cloud processing technology 8-segment TGC Gain(30- 120dB) Dynamic range Persistitence M Soften Noise suppression
<i>Post-processing:</i>	Image enhancement Gray Map Pseudo Color Map Tissue Specific Imaging Left/right reverse Up/down reverse

5 Measurement & Calculations

<i>B mode:</i>	Distance, angle, area, volume, trace length, distance ratio
<i>M mode:</i>	Distance, time, slope, Heart Rate
<i>Software packages:</i>	abdomen, cardiac, gynecology, obstetrics, urology,, small parts (thyroid), etc. *
<i>* Individual Measurements and Calculation packages for different applications.</i>	

6 Input and Output

<i>HDMI:</i>	1
<i>WIFI</i>	1
<i>USB 3.0:</i>	2
<i>MIC:</i>	1
<i>DC in:</i>	1
<i>DICOM3.0*: (optional)</i>	1

** DICOM3.0 Connect by WIFI, this is optional function.*

7 Storage and Data Management

<i>Storage:</i>	<ul style="list-style-type: none"> • SSD for patient data • Digital formate storage of single frame
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- Exam Management:*
- “Station” for patient management
 - Patient quick search and retrieve
 - Able to review current exam and past exam
 - Support new exam, activate exam, continue exam
 - Able to measure on stored images and cines
 - Able to export file as JPG/AVI
 - Able to back up data to USB device

8 Connectivity

- Network Connection:*
- WIFI
 - Ethernet(reserved)
- DICOM 3.0 (optional):*
- DICOM Basic
 - Print
 - Storage

9 Multi-frequency probes

Convex probes

*C5-2Ds color Doppler
Convex probe(standard
configuration):*

Applications: ABD, Renal, ABD-Vascular, Ped-ABD, GYN, OB, Fetal Heart, Urology, Prostate

Frequency Bandwidth: 2.0-5.0MHz

Central frequency: 3.5 MHz

Radius: 60 mm

View angle: 61 degrees

Scanning Depth: 30-300 mm

Element: 128

Biopsy guide available

*C8-5Cc color Doppler
Micro convex probe:*

Applications: Pediatric, fetal heart

Frequency Bandwidth: 5.0-9.0 MHz

Center frequency: 6.5 MHz

Radius: 15 mm

View angle: 100.7 degrees

Scanning Depth: 10~150 mm

Element: 128

*E10-4Cs color Doppler
Trans- vaginal probe:*

Applications: Early OB, OB/GYN, Urology

Frequency Bandwidth: 5.0-9.0 MHz

Center frequency: 6.5 MHz

Radius: 13 mm

View angle: 150 degrees

Scanning Depth: 10~150 mm

Element: 128

Linear probes

*L11-4Ds color Doppler
Linear probe:*

Applications: Vascular, Carotid, P- Arterial, SMP, Thyroid, Breast, Testicle, SmEye, MSK, ABD

Frequency Bandwidth: 5.0- 10.0 MHz

Center frequency: 7.5MHz

Scanning width: 40 mm

Scanning Depth: 10~184 mm

Element: 128

Biopsy guide available

10 Peripherals and Accessories (Optional)

MITSUBISHI P93 W

- High Speed Printing
- High-density 325 dpi thermal Head
- Worldwide compatibility
- Simple and Convenience to Operate

Digital B/W Video Printer:

SONY UP-895MD

- Built- in WIFI Adapter
- Encryption: WPA/WP2/WPAI, 64/128/152- bit WEP, WPS
- Max transfer speed: 150Mbps
- Protocol: 802.11b: CCK, QPSK, BPSK, 802.11g/n: OFDM

Graph / text printer:

HP DeskJet F2418 、 HP DeskJet D2568 、 HP Deskjet 2050 、 HP Deskjet 1050 J410 、 HP Deskjet 2520hc、
HP Laserjet M1005 、 HP Laserjet P2035 、 HP Laserjet P1102 、 HP Laserjet P1102w 、 HP Laserjet P1108
、 HP Laser Jet 1536dnf MFP, and more!

11 Certificate and Security

Quality Certificate	ISO 9001,ISO 13485
Complied Standards	CSA C22.2 No. 601- 1 EN 60601- 1 and IEC 60601- 1 EN 60601- 1- 2 and IEC 60601- 1- 2 EN 60601- 1- 6 and IEC 60601- 1- 6 EN 60601- 2-37 and IEC60601- 2-37 EN 62304 and IEC 62304 EN 62366 and IEC 62366 EN ISO 17664 and ISO 17664

12 Standard Configurations

	<i>CCPT50C Systems</i>
	<i>15" high definition LCD monitor</i>
	<i>Touchscreen</i>
	<i>C5-2Ds convex array transducer</i>
	<i>WIFI module</i>
	<i>Two USB ports</i>
	<i>One s- video out port</i>
	<i>One HDMI port</i>
Standard Configurations	<i>One power inlet</i>
	<i>Three transducer connectors</i>
	<i>Two special-designed probe holder</i>
	<i>Plenty of measurement& calculation software packages</i>
	<i>lithium Battery Supporting normal diagnosis</i>
	<i>User defined exam settings</i>
	<i>12 months warranty since ex-factory date for main unit</i>
	<i>12 months warranty since ex-factory date for probes</i>

13 Options:

	Convex array transducer
	Linear array transducer
	Endocavity transducer
	High frequency linear probe
	Micro convex probe

Optional

Rectal linear probe

Needle-guided brackets

AC Adapter
Mobile trolley
Wheeled transport case
DICOM 3.0

14 **Warranty :**

Standard Warranty: 12 months warranty since ex-factory date for main unit;
12 months warranty since ex-factory date for probes;
Free Lifetime upgrade to new versions.

Optional Warranty: 12 months warranty for system

15 **OEM/ODM Order**

Our company not only produce products by own ChinaCare brand, but also accept OEM, ODM order by customers. We will satisfy your order by our faithful service.