



Clear TV---

Smart Health Care Overall Solution

Overview

Clear TV---Smart Health Care Overall Solution

- Smart Guide
- Queuing Number Calling
- Digital Signage
- Ward IPTV
- Nurse Call System
- Bedside Interactive System
- Telemedicine



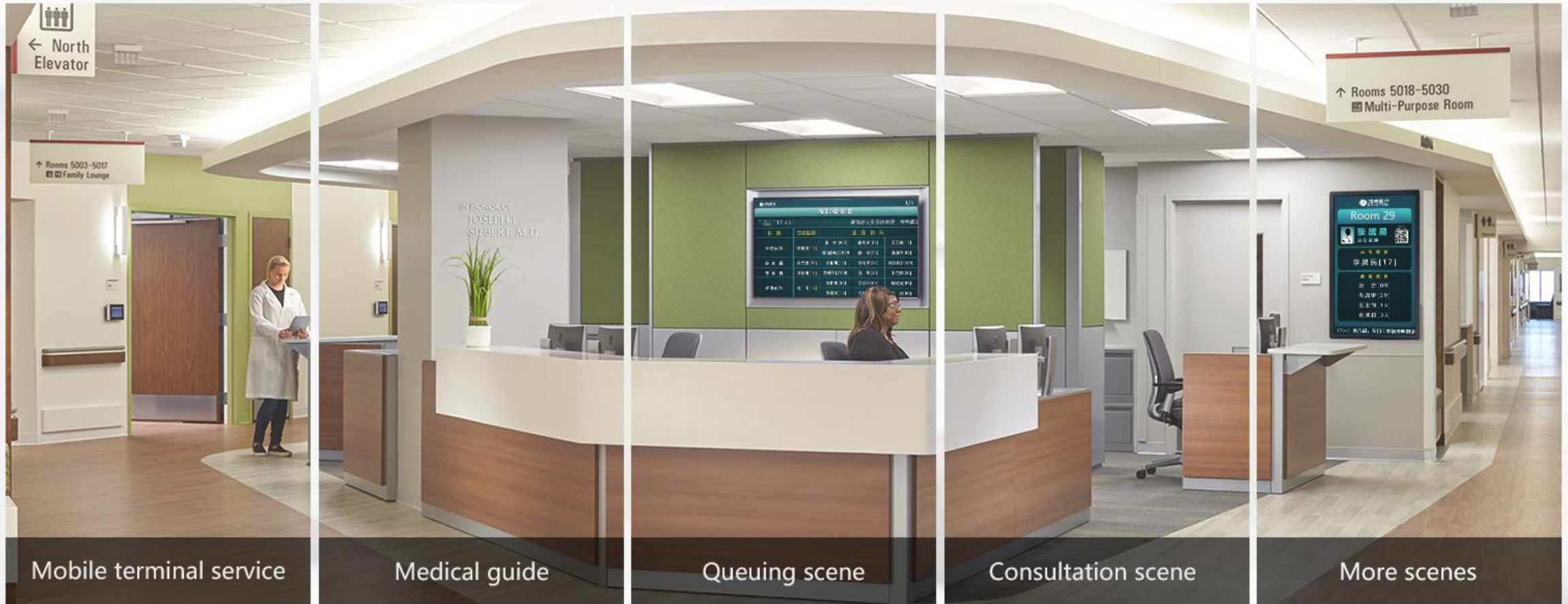
PART 01

Smart Clinic

Queuing Number Calling / Information Publicity and Education
Smart Guide / Medical Expert Schedule

1. Scenes

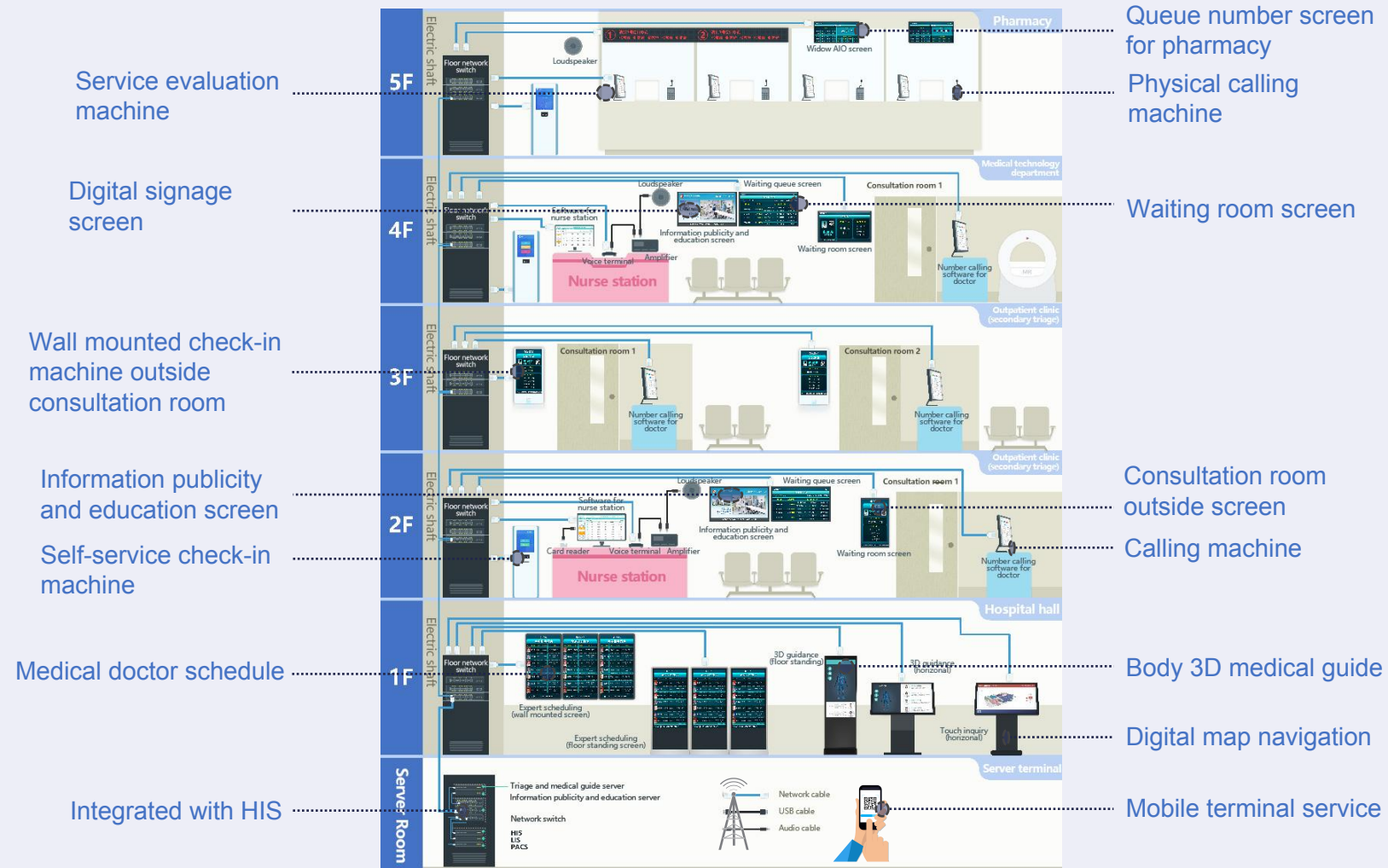
Patient-centered, full-process, full-scene and decentralized design, covering the entire business process of clinics.



- 1 Resolve the difficulty of interrogation
- 2 Reduce medical disputes
- 3 Promote the efficiency of hospital visit
- 4 Enhance the profitability of hospital
- 5 Improve hospital brand

2. System Architecture

Patient-centered, full-process, full-scene and decentralized design, covering the entire business process of clinics.





Features

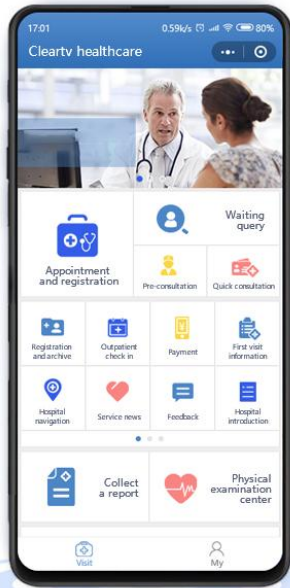
- Based on IP network and B/S architectural with smart display AIO machine.
- Support time-share booking and secondary triage mechanism
- Support on-site and mobile check-in mechanism
- Diversified information release. Support all-around medical navigation, triage and education.
- Support Internet Plus Outpatient services.



3. Mobile Terminal Service

Eliminate the physical distance between patients, doctors and hospitals

- Data interconnection
- Data integration capability
- Serving patients, doctors and hospitals simultaneously



- Resolve the difficult problem of register
- Preferred for chronic disease



Patients

- Registered appointment
- Queue reminder
- Hospital navigation
- Quick follow-up visit
- Smart pre-consultation

- Promote the efficiency of hospital visit
- Increase doctor's additional income



Healthcare

- Equipment operation and maintenance
- Internet consultation
- Smart pre-consultation

- Enhance hospital education
- Strengthen the humanistic healthcare



Hospital

- Wechat official website
- Specialized Characteristics
- Satisfaction survey


















Using mobile Internet technology, we provide patients with full-process services such as pre-consultation (including appointment, medical guide), during consultation (including information push, navigation, check-in, payment) and post-consultation (including patient feedback, follow-up).

4. Self-service Terminal



Product features

Outpatient:

 Establish an archive	 Request a card	 Appointment and registration	 Take a number	 WeChat top up	 Alipay top up	 Bank card top up	 Cash deposit
 Automatic payment	 Payment by medical insurance funds	 Report printing	 Bill printing	 Face recognition	 Smart medical guide	 Information release	 Satisfaction survey

Product features

Hospitalization:

 Admission to hospital	 Deposit top up for hospitalization	 Out-patient settlement	 Inpatient list query and printing	 Report printing	 Bill printing	 Satisfaction survey
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5. Expert Scheduling



Synchronize the scheduling information of doctors in real time. In the central area of the outpatient hall, doctors' scheduling information will be displayed on high-end ultra-thin screens in real time for patients' reference clearly.

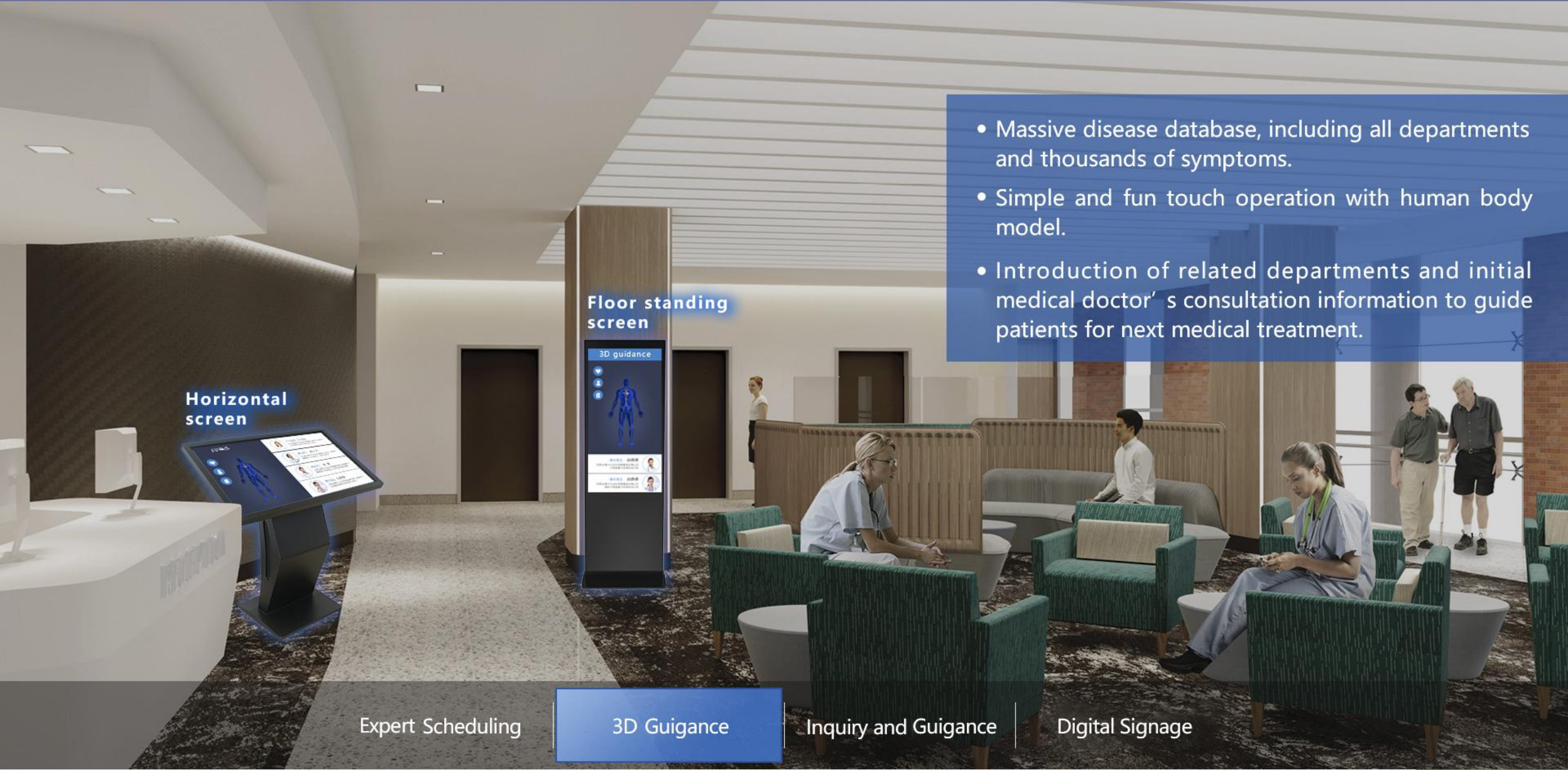
Expert Scheduling

3D Guidance

Inquiry and Guidance

Digital Signage

6. 3D Intelligent Medical Guide



Horizontal screen

Floor standing screen

3D guidance

- Massive disease database, including all departments and thousands of symptoms.
- Simple and fun touch operation with human body model.
- Introduction of related departments and initial medical doctor's consultation information to guide patients for next medical treatment.

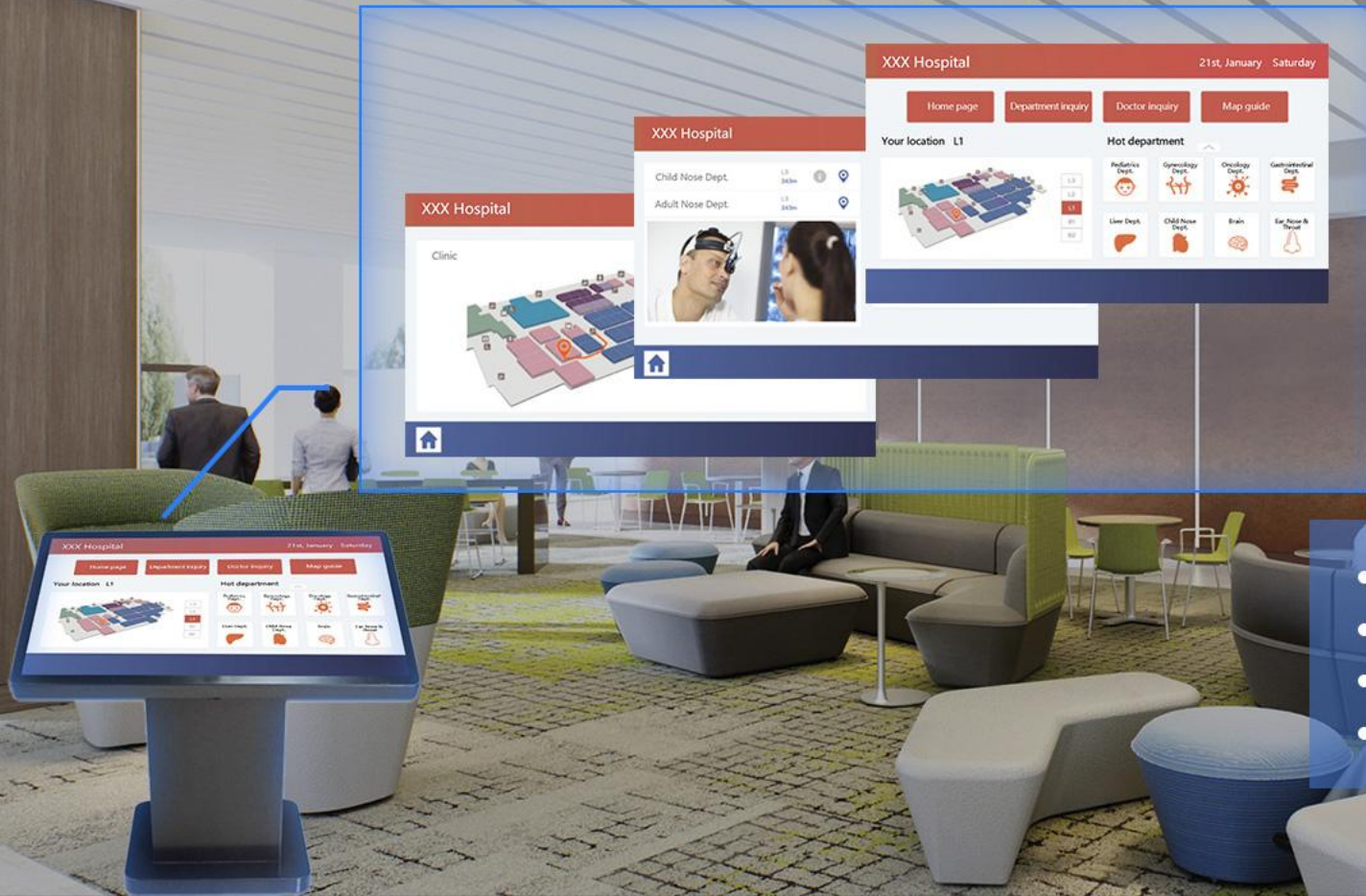
Expert Scheduling

3D Guidance

Inquiry and Guidance

Digital Signage

7. Touch Query and Guide



- Easy to use full-screen operation
- Interactive query of hospital and doctor information
- Various convenient and efficient research methods
- User-friendly and convenient intelligent path guide

Expert Scheduling

3D Guigance

Inquiry and Guigance

Digital Signage

8. Digital Signage

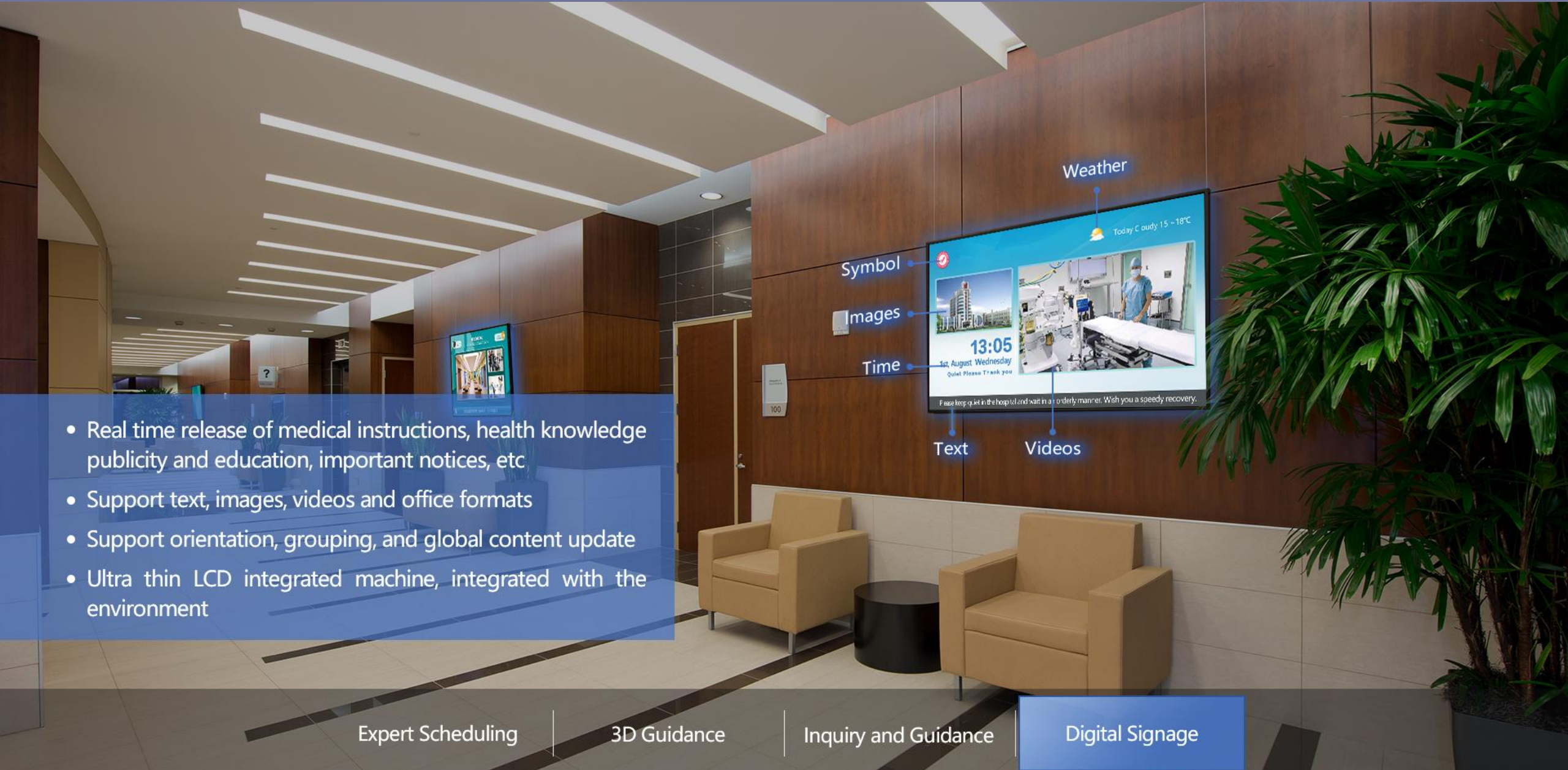
- Real time release of medical instructions, health knowledge publicity and education, important notices, etc
- Support text, images, videos and office formats
- Support orientation, grouping, and global content update
- Ultra thin LCD integrated machine, integrated with the environment

Expert Scheduling

3D Guidance

Inquiry and Guidance

Digital Signage





Secondary triage is an effective mechanism to improve the efficiency of triage and relieve the flow pressure in the primary waiting area.

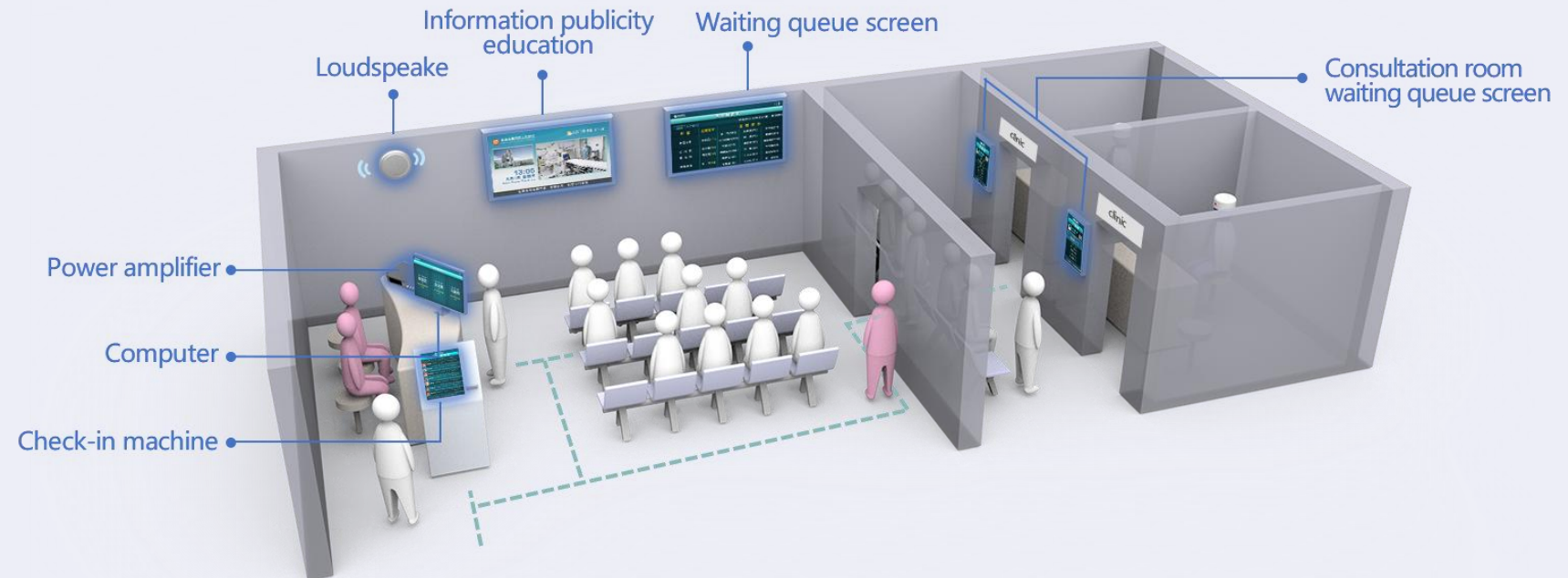


Check-in mechanism is the key to establish an orderly and efficient waiting environment.



Scientific and humanized queue mechanism is a powerful guarantee to shorten the waiting time and establish a harmonious waiting environment.

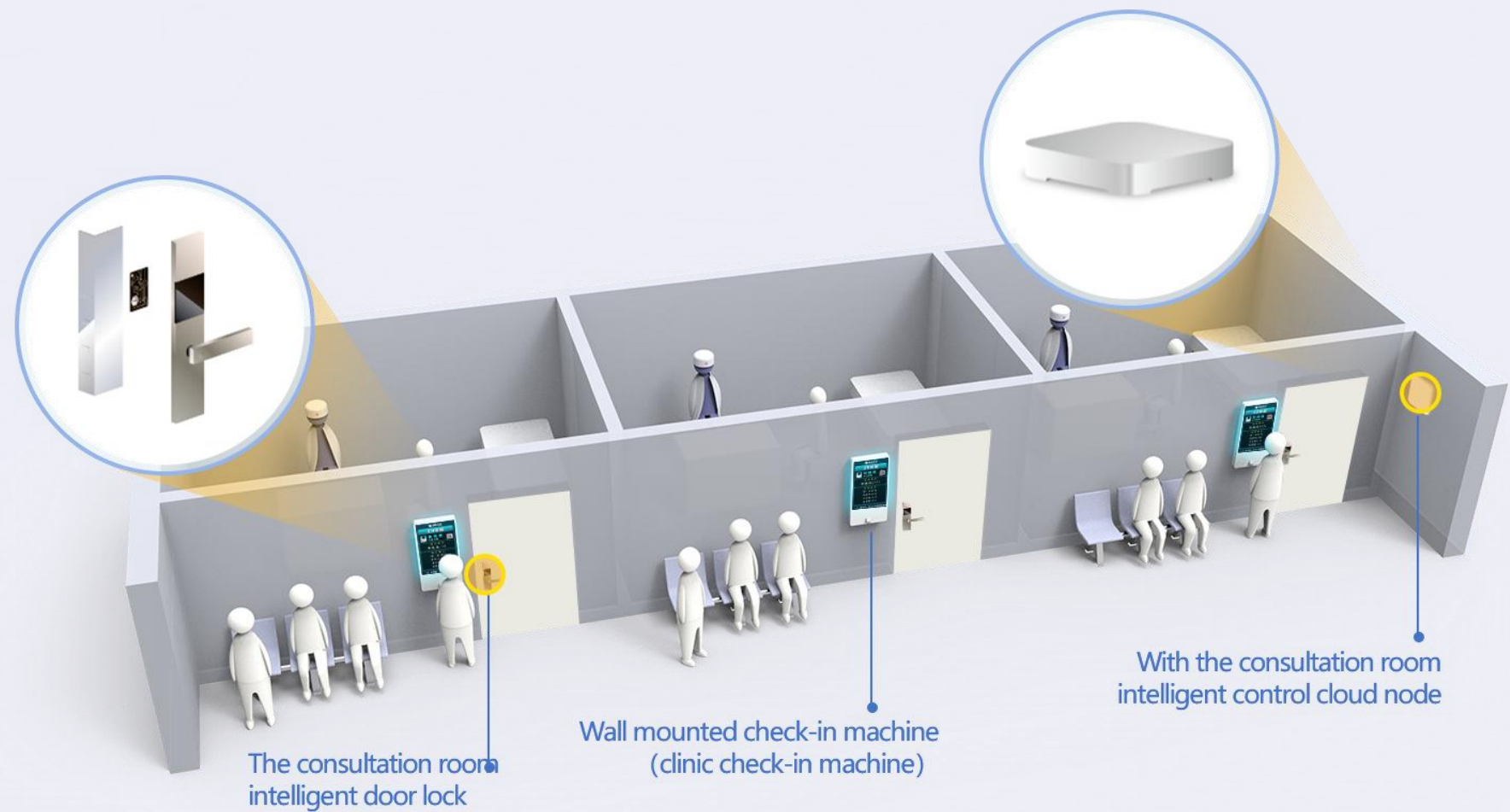
Configure nurse triage desks, set up primary and secondary patient waiting areas, and the nurse triage desks support unified queue management.



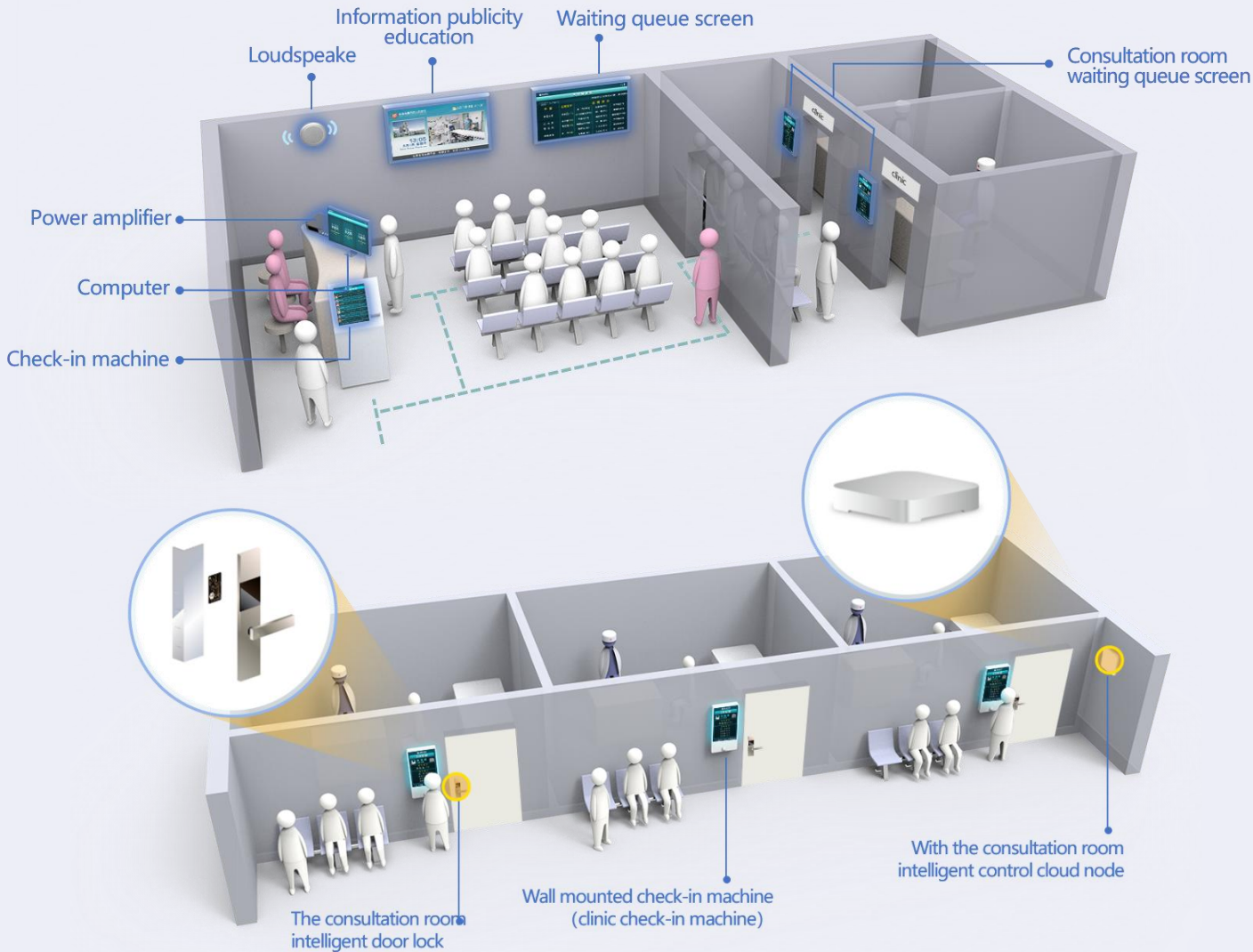
10. Queuing Scene II



There is no triage table, and the wall mounted check-in machine is used, which is suitable for scenes with no large waiting area, small flow of people, and one-to-one correspondence between the queue and the consultation room.



11. IoT Queuing Scene



The consulting area is equipped with the consulting room intelligent control cloud node, the door of the consulting area is equipped with the consulting area intelligent door lock, and the door of the consulting room is equipped with the consulting room intelligent door lock.



One patient enters one consulting room. When the doctor calls the next patient in the consulting room, the smart door lock of the consulting area and the consultation room will be automatically opened synchronously. The free access time can be set.



The advanced industry scheme adopts the standard ZigBee protocol and is linked with the intelligent caller in the consultation room. The door lock can support facial recognition, swiping card brushing and active unlocking.

12. Consultation of Doctors

It supports three calling schemes of "key caller, tablet caller and virtual caller", and provides quick payment between clinics to provide one-stop services for patients.



Virtual calling

Key calling

Tablet calling

Mobile terminal service

Doctor Wang number calling

No.	Name	Serial no.	Status	Activation time
13	Liu	COA120305		9:45:2
14	Liu	027056244		9:15:27
15	Liu	021581629		9:22:3
16	Liu	023522623		9:52:3
17	Liu	COA50563X		9:52:44
18	Liu	026900610		9:59:36
19	Liu	COA7602AF4		10:13:56
20	Liu	COA7602E9		10:39:26
21	Liu	COA7602E5		10:48:25

Primary Physician: Dr. Wang, MD
Attending Physician: Dr. Wang, MD

Lab results table:

Lab	Result	Unit	Normal Range
WBC	12.5	10 ⁹ /L	4.0 - 10.0
Hb	15.0	g/dL	12.0 - 16.0
Hct	45.0	%	37.0 - 47.0
PLT	250	10 ⁹ /L	150 - 400

Vitals table:

Vital	Value	Normal Range
Temp	37.5	36.0 - 38.0
HR	75	60 - 100
BP	120/80	90 - 120 / 60 - 80
RR	18	12 - 20

Medications table:

Medication	Dose	Frequency
Aspirin	81mg	QD
Lisinopril	10mg	QD
Metoprolol	50mg	QD



Inspection department

Features

1. Fast window form
2. Maybe no computer

Plan

1. Non triage table
2. Configure self-service check-in machine and physical caller
3. Configure 1-2 calling display screens
4. Configure 1 report progress display



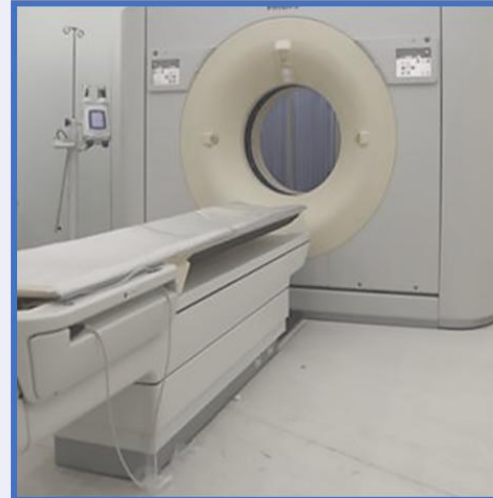
Pharmacy

Features

1. The order of taking medicine is uncertain, and Select call mode
2. Window form, fast

Plan

1. No triage table, no number passing mechanism
2. Configure self-service check-in machine and scanning gun
3. Configure 1 large-size call display screen and 1 window display screen



Medical Technology Department

Features

1. There are many inspection types with different requirements
2. There are multiple inspection items

Plan

1. Triage desk, flexible queue strategy
2. Configure 1-2 calling display screens
3. Configure 1 inspection report progress display screen
4. Optional check-in machine or number pick-up machine



Vaccine Department

Features

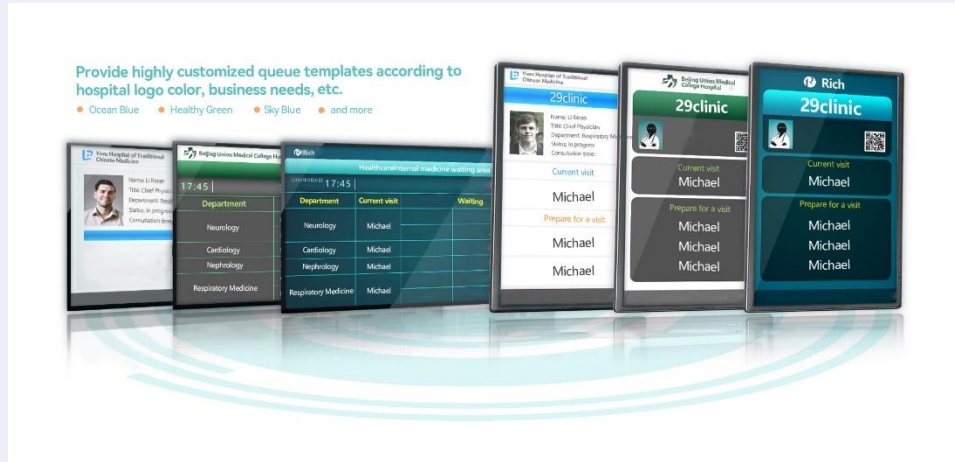
1. Stay and watch
2. Stay and remind

Plan

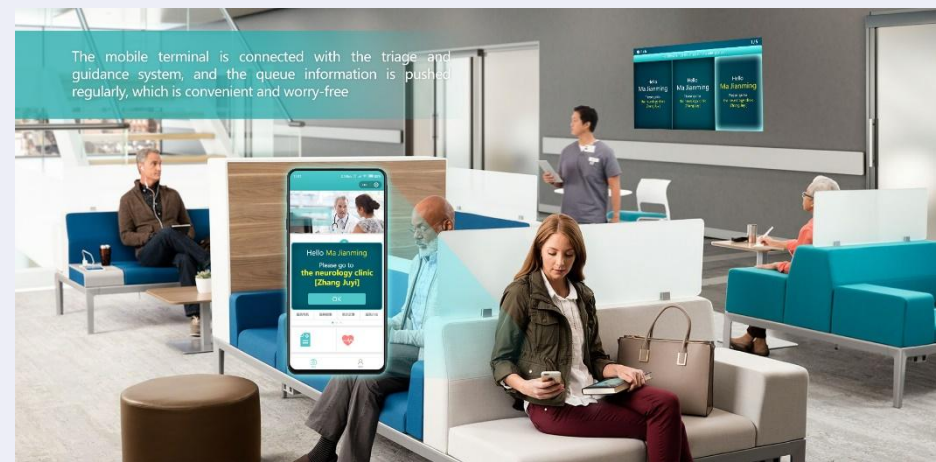
1. No triage table
2. Configure self-service check-in machine
3. Configure the countdown screen



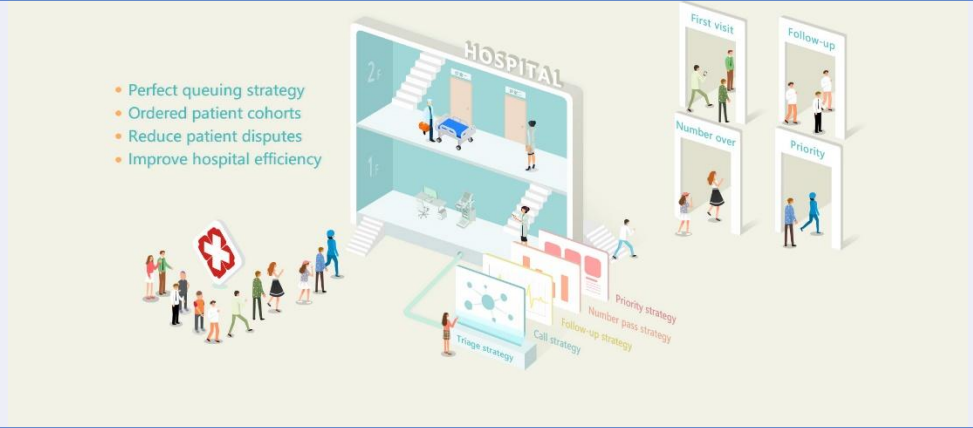
14. Solution Advantages



1. The display interface style is customized, and the background can be changed at will.



2. The mobile terminal provides the most convenient outpatient service through real-time query and reminder.



3. Intelligent queuing strategy, optimal algorithm, maximize the efficiency of triage.



4. The calling screen and the message sending screen are designed to switch freely.



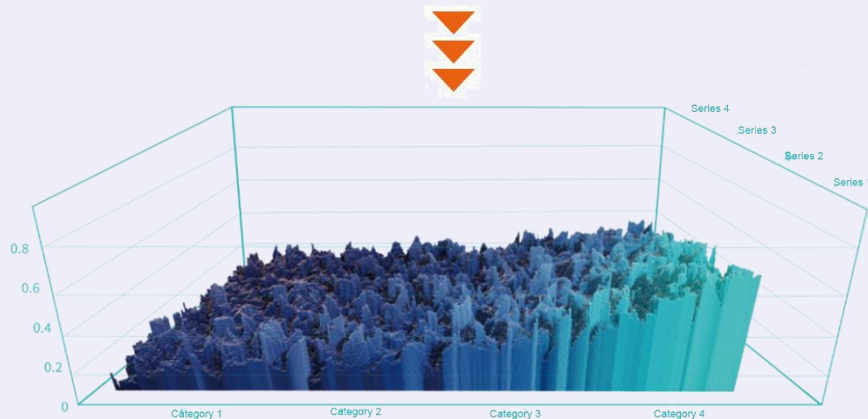
15. Core Algorithm

Advantages: the advanced queuing recommendation algorithm significantly improves the inspection efficiency and boosts the information construction process of intelligent queuing.

Multi examination efficiency: Increased by 40%, user satisfaction: increased by 10% - 20%, hospital staff workload: decreased by 40%.

Analysis of intelligent queue algorithm of "one stop to the end"

Floor distance / check queue time / check queue number

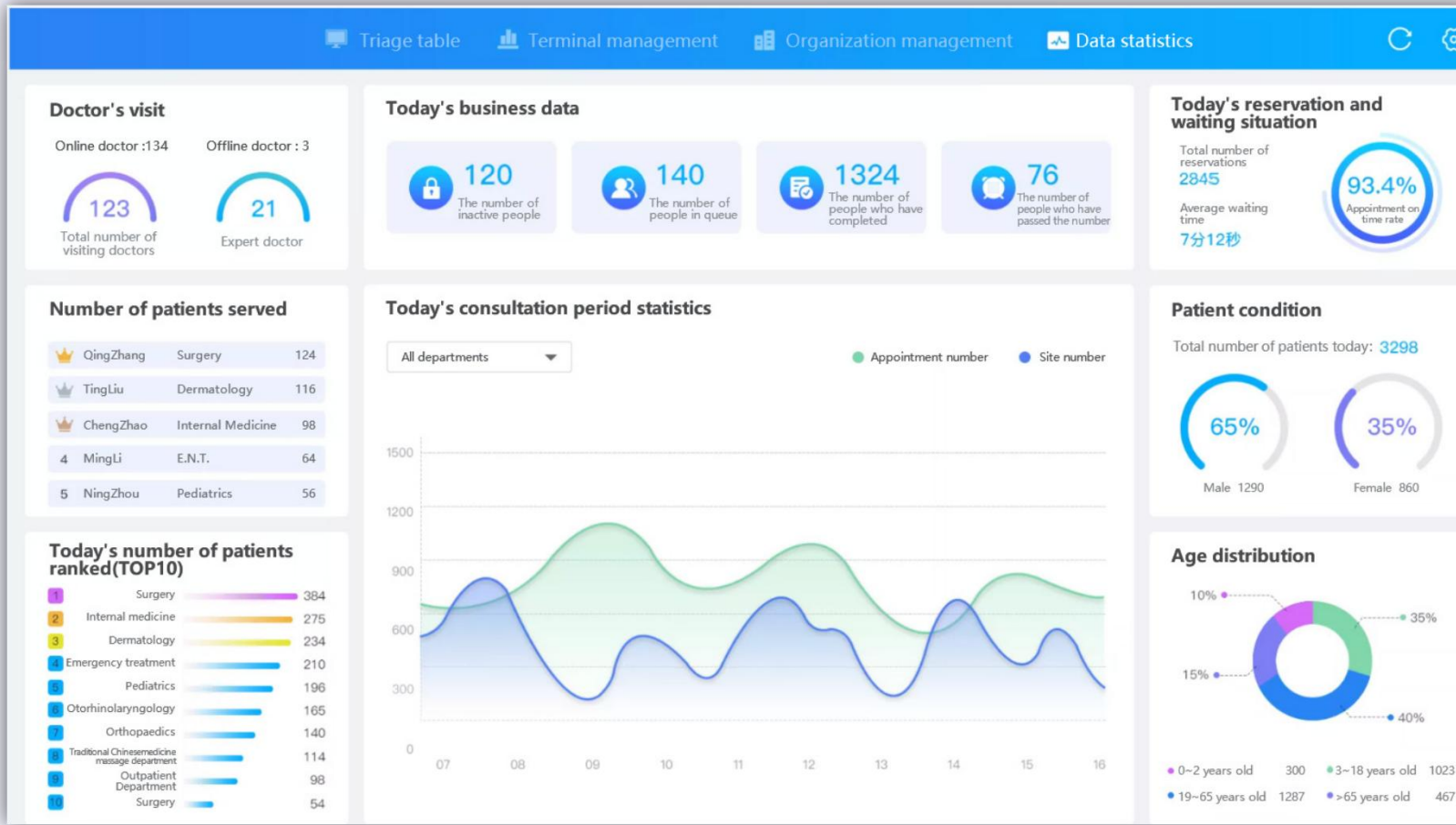


Strict calculation rules of inspection sequence

Consideration of high priority of inspection items / characteristics of inspection items



DIBSYS Clear TV---Smart Health Care Overall Solution cooperates with Tsinghua University to study the logic of queuing algorithm, dynamically manage the queue time from the macro and micro perspectives, and accurately estimate the estimated time for automatic triage.



➤ Consultation Data

Display doctor information, count the doctor's login time, service time for each patient, etc.

➤ Service Data

Count the turnover rate, queuing time, and consultation period of each department for the hospital to adjust the size of the clinic.

➤ Summary Data

Count summary patient information, total business data etc. with visual diagram.

PART 02

Clear Smart Ward

Ward IPTV \ Medical Intercom \ Bedside Interactive Tablet
Intelligent Nursing screen \ ICU Visitation\ Infusion Alarm

Perfect IPTV Functions in the Industry



The perfect solution of signal source, core streaming media technology, supports high concurrency, high quality and second switching.

Radio and television / China Unicom / Telecom / Satellite / Self run programs

Market Analysis

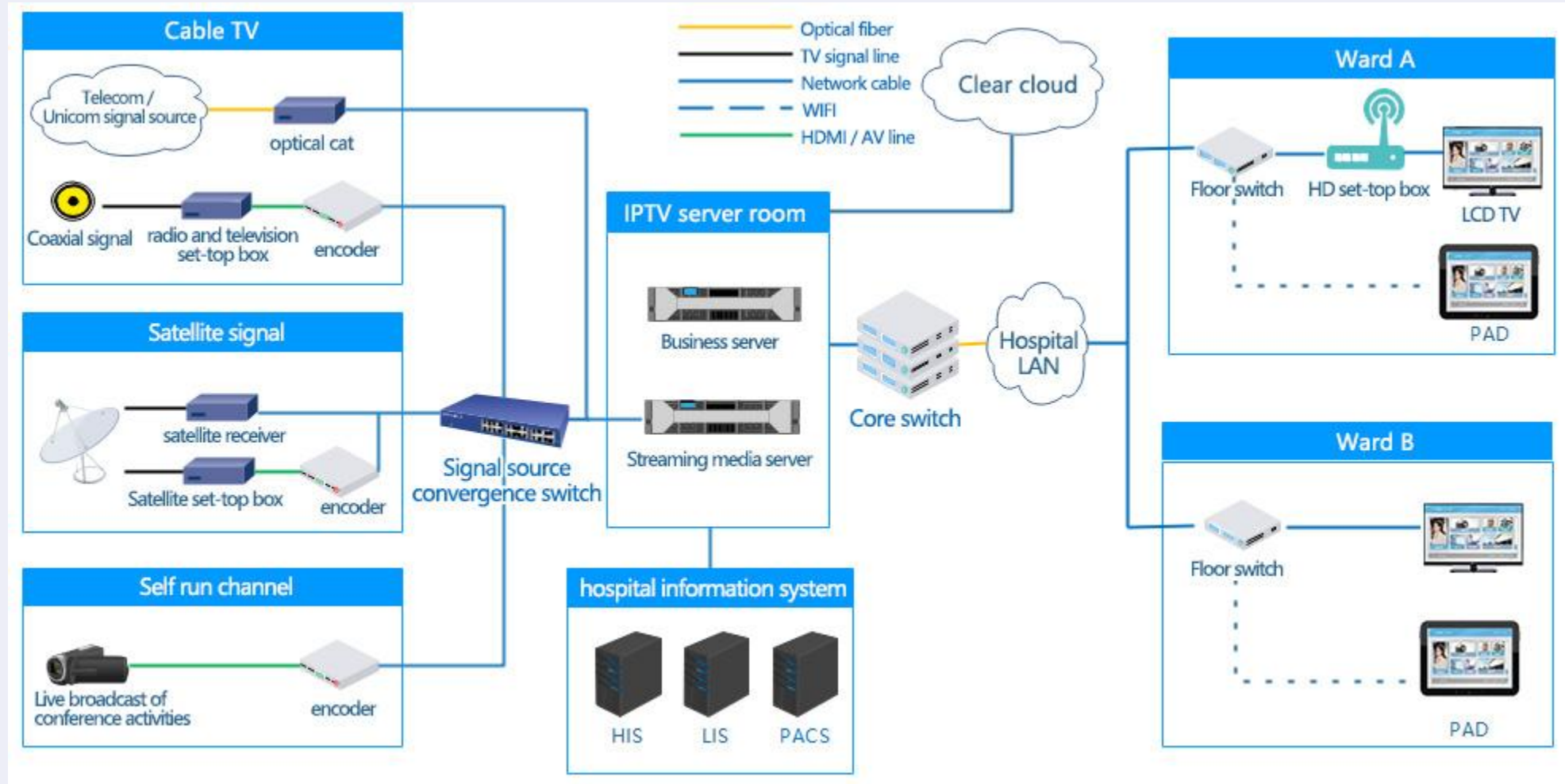
- Traditional analog signal has weak anti-interference ability and poor viewing experience
- Monotonous content is difficult to meet the needs of hospital information display.



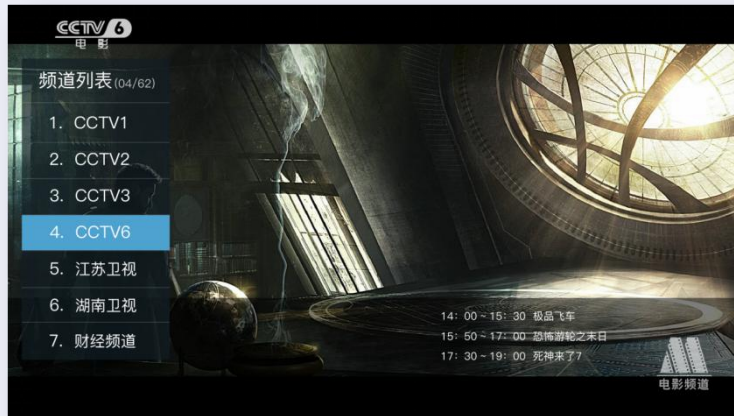
- Weak background management function.
- Poor interactivity is difficult to meet the personalized needs of patients



System Architecture

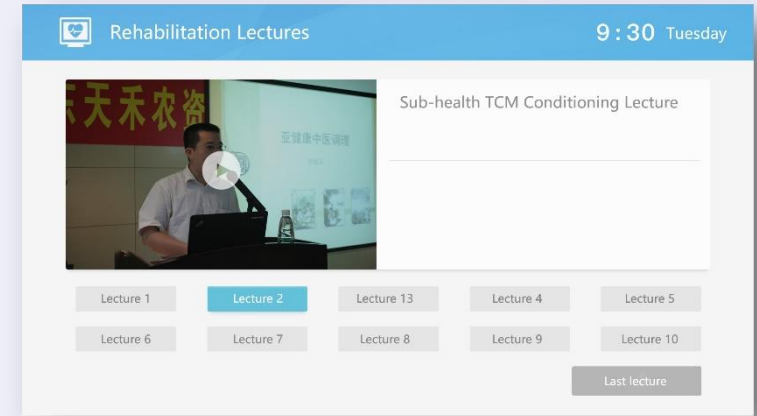


Main Function I



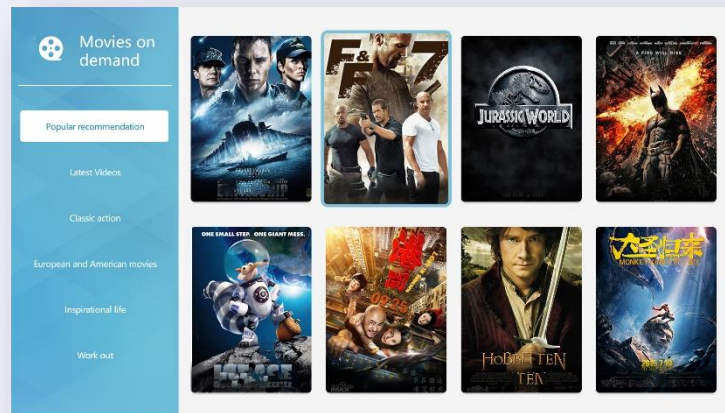
Entertainment Video

Patients can play videos and listen to music on demand through the system, relieve the mood of hospitalized patients through movies and music appreciation, and assist patients in rehabilitation.



Live HD

Support 1080p Full HD effect, no lag, no mosaic, support satellite, self-produced programs, support home functions such as watch back, time shift, and the channel changing speed is less than 0.5 seconds.

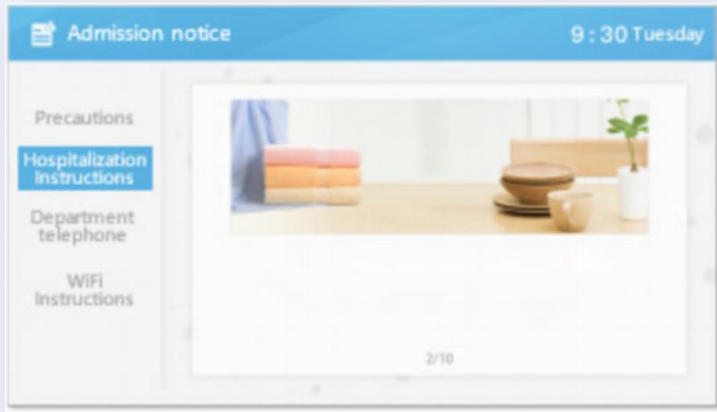


Health Education

The system has various built-in rehabilitation lectures video for patients to recuperate so as to play the role of adjuvant therapy, oriented education and compulsory education.

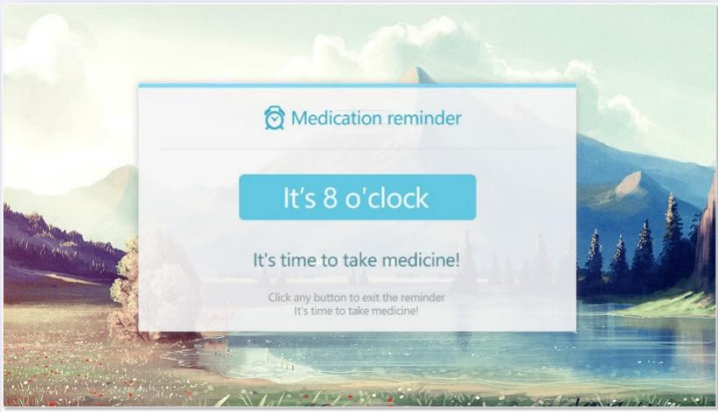


Main Function II



Fee Query

Patients can query their own fee by entering the inpatient number and the inpatient reserved mobile phone number for authentication.



Admission Notice

Provide necessary admission notice to improve the efficiency of admission. It can be checked at any time. Precautions, hospitalization instructions, department telephone, WiFi instructions etc. can be added in the module.

My query

All consumption

Yesterday's Expenses

The day before yesterday's Expenses

November 25

November 26

November 27

Dear Mr. Li: Get well soon

Total expenses: RMB 10690

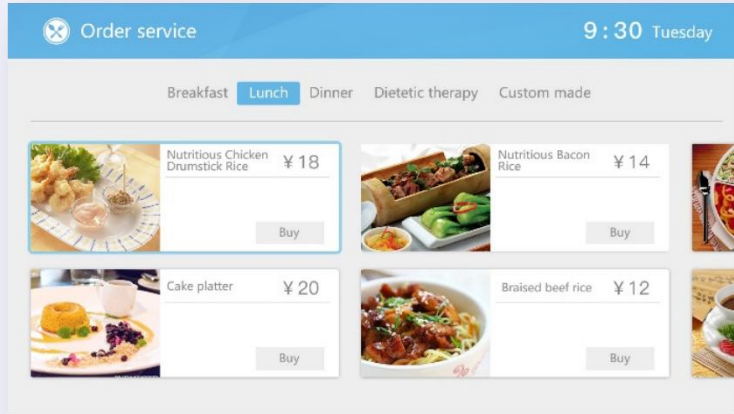
Name	Category	Quantity	Expense
Surgery Fees	Surgical class	1	2000
Painkillers	Medicine class	3	300
Intravenous drip	Medicine class	1	2000
Painkillers	Medicine class	3	300
Cold Capsules	Surgical class	1	2000
Others	Medicine class	3	300

Medication Reminder

Support regular reminder functions, including the push function of reminding patients to take medicine, go to bed, review and so on, so as to avoid patients forgetting to take medicine and other situations.

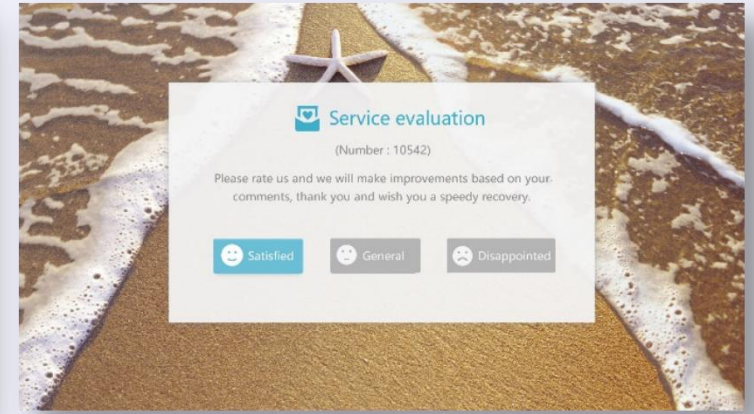
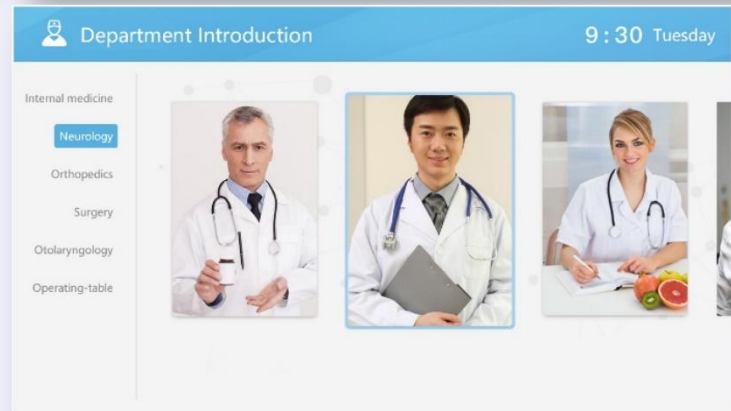
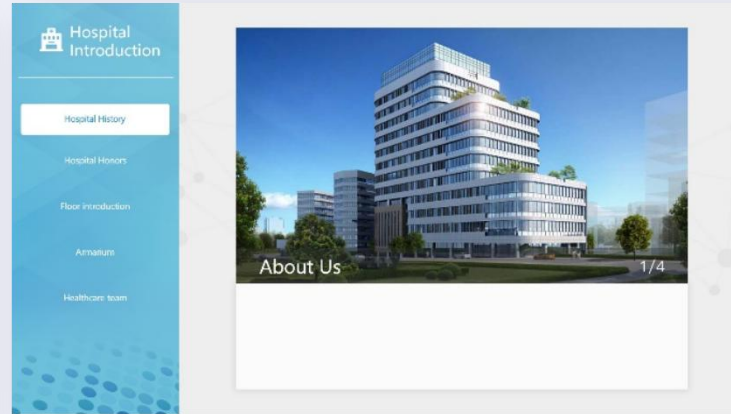


Main Function II



Catering and Ordering

Provide necessary admission notice to improve the efficiency of admission. It can be checked at any time. Precautions, hospitalization instructions, department telephone, WiFi instructions etc. can be added in the module.



Hospital Introduction

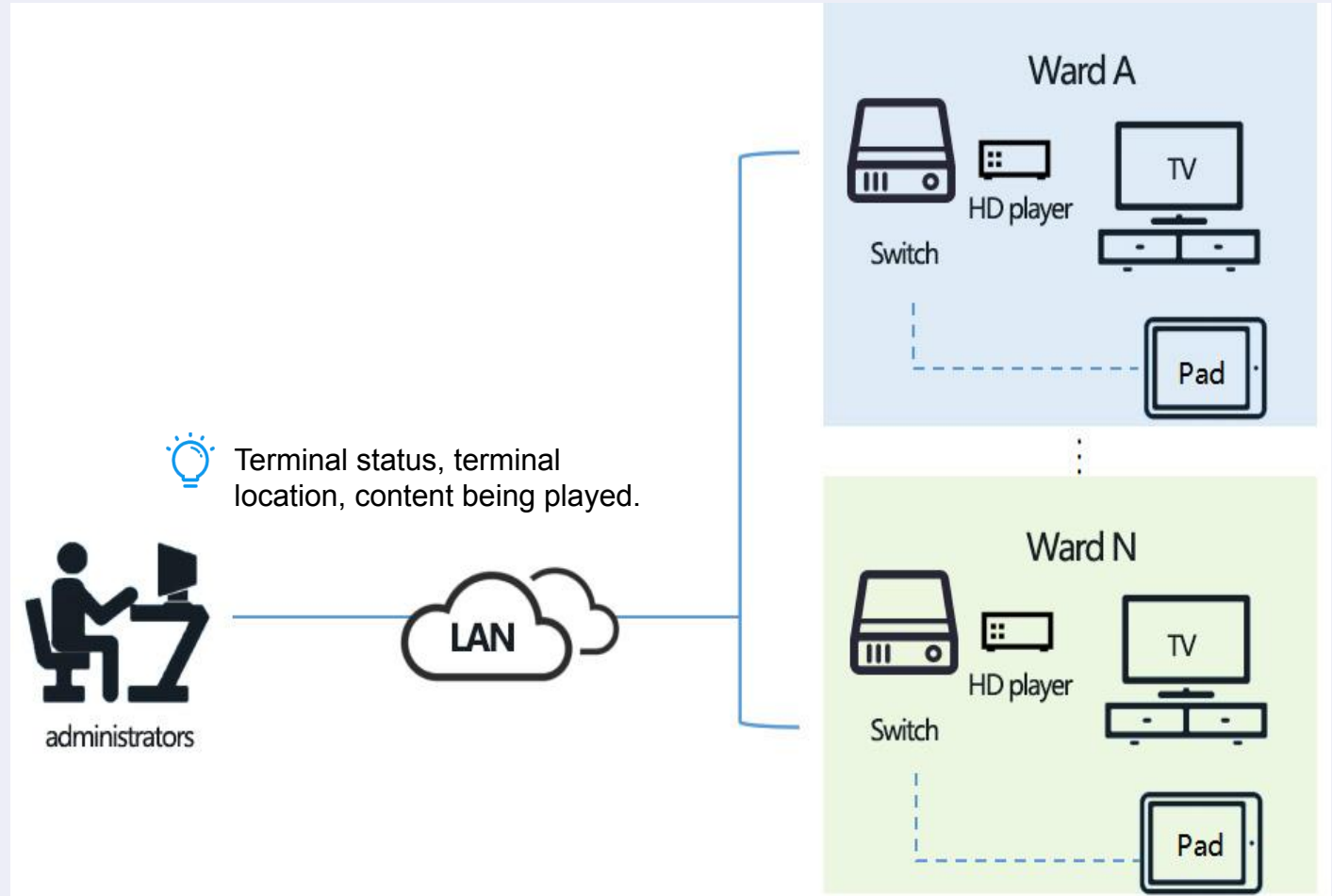
Department Introduction

Service Evaluation



Main Advantage I

- Ward grouping management, push on demand.
- Timed shutdown, convenient and fast.
- Fault detection, remote debugging.
- Real time monitoring, at a glance.



Main Advantage II



Hisense

PHILIPS



Skyworth
创维

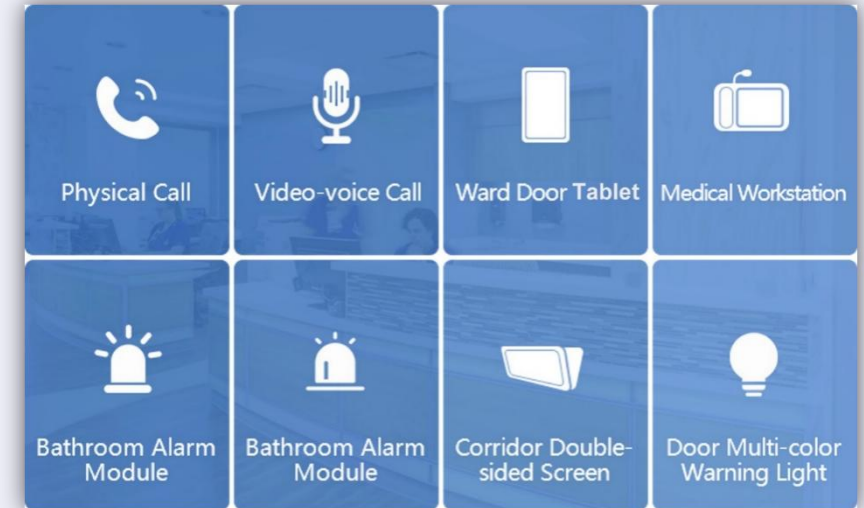
TCL

暴风TV

DIBSYS ClearTV and partner manufacturers launched an integrated TV (domestic TV brand: Skyworth, TCL, joint venture brands: Samsung, Philips, LG, SONY). Using the original chip of the TV, the bottom software is customized and developed, and the terminal software of ClearTV is run on the chip. The brand TV is the carrier, and the stable operation quality is more guaranteed. Compared with the traditional display screen and information release set-top box solution, no external set-top box is required, and it has the characteristics of portable installation and low price.



2. Ward Nurse Call System



The IP nurse call system simplifies the nursing process, ensures smooth and timely communication, ensures the safety of all aspects of medical care, and calls and allocates medical resources more accurately and in a timely manner. Greatly improve the efficiency of ward operation, improve patient satisfaction, and truly create a nurse call system with a high level of humanization.



Market Analysis

1. The call system is unstable and the sound quality is average.

- The call system is highly dependent on the environment, is seriously interfered by electromagnetic and other systems, has poor voice quality, and is abnormally interrupted.

2. The call is busy, and only supports voice calls.

- At the same time, only one call can be made. When there are multiple calls, it will prompt busy.
- Two-way video intercom between nurses/doctors and patients is not supported.



5. The systems are scattered with each other, and the experience is poor.

- The call system is independent of the access control system, ICU visit and other systems, and the operation and management are complicated.

3. Handwritten bedside card, heavy maintenance workload.

- Nurses need to manually maintain the patient's personal information and nursing precautions to the hospital bed area, which is a heavy workload and cannot guarantee the accuracy.

4. Single function, without scalability.

- It only supports call intercom-related functions, and does not support nursing auxiliary functions (oxygen inhalation / skin test timing, infusion alarm, doctor's order verification, information education, etc.), nor can it access third-party system (such as: mobile nursing system) information.



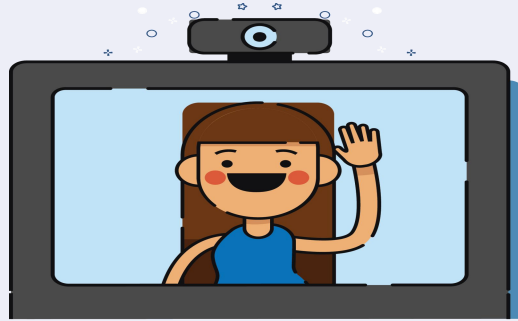
Main Function I



1

Two-mode Intercom

The online and offline modes of the service coexist. When the server is down, the system automatically switches to the offline mode, and the call function is used normally.



2

Video Intercom

Video intercom can be established between nurses, doctors and patients, and remote ward rounds and remote consultation can be realized on the basis of satisfying basic communication.



3

Mobile First

Design a new call process, implement the responsible care policy, give priority to call the mobile terminal of the responsible nurse, and effectively improve the satisfaction of patients in hospital.



4

Unhandled Event Reminder

Unprocessed events are generated according to the rules and displayed on the corridor screen, ward screen, and management host. The information can be seen everywhere and refuse to be forgotten.





5

Call Management Desk

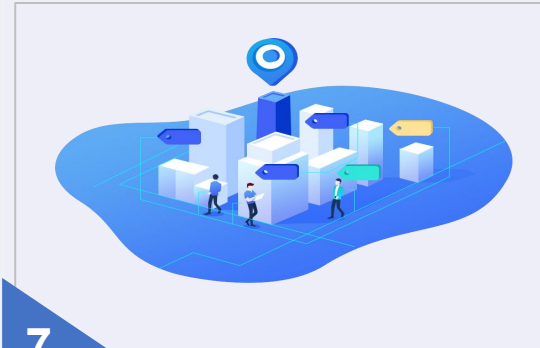
Design concept of call center, visual call management console, visual call queue, nurses to process call requests more efficiently.



6

Internal Address Book

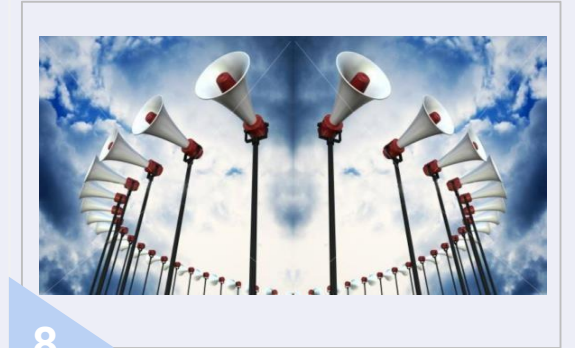
The system automatically generates internal message record according to the department, farewell to memorize boring numbers so as to make communication more efficient.



7

Dynamic Nursing Positioning

Door screen, bedside screen support nursing positioning, dynamic join the ringing group, more efficient management, more simple management.



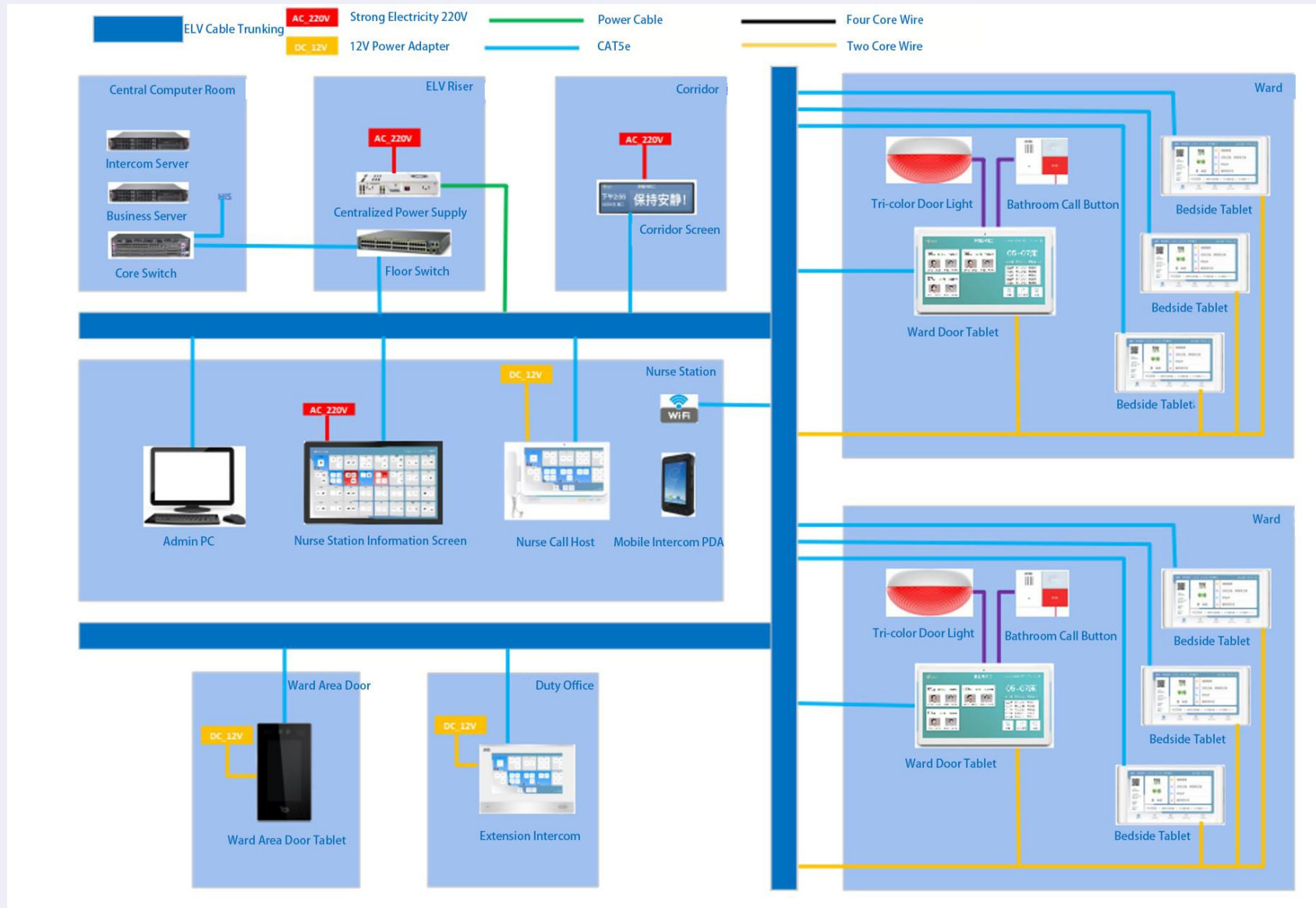
8

Custom Broadcast

You can create partitions, timings, and directional broadcasts according to your needs. External audio signal can be connected or audio can be recorded locally.



System Structure



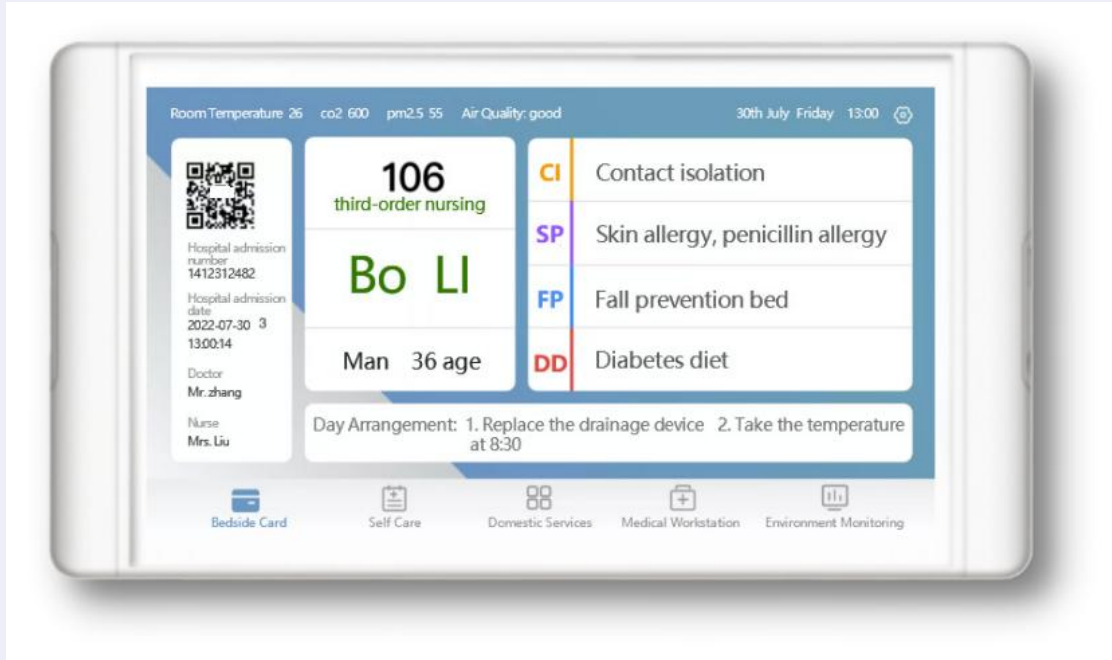
Ward Door Tablet



- List of hospital beds and patient information.
- Accountable Doctor and Accountable Nurse Information.
- Built-in door light to distinguish call type and status.
- Task reminder and processing.
- Nursing Orientation.
- Call processing (Batch processing).
- One-click reinforcement.
- Ward Remote Monitoring.



Ward Bedside Tablet

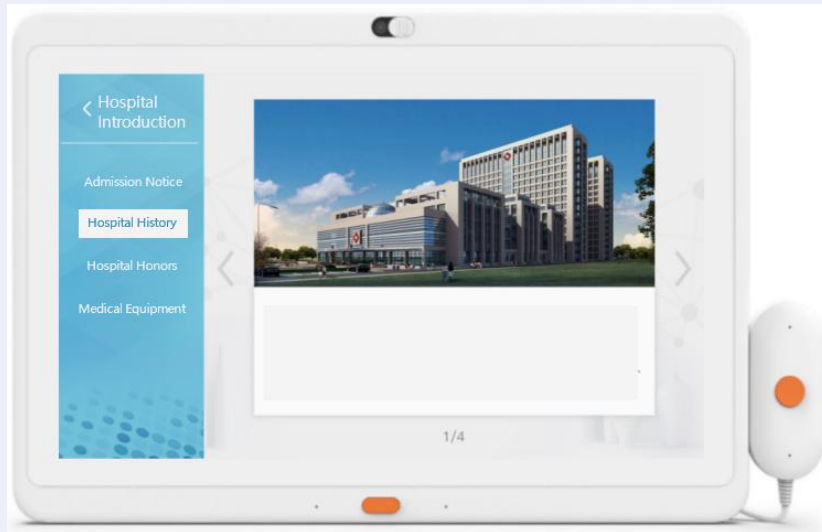


- Electronic bedside card.
- Call intercom (call, backup).
- Video intercom.
- Nursing positioning, nursing generation.
- Nursing timing.
- Live broadcast, on-demand, information education.
- IoT extension interface.
- Cost inquiry, patient education, meal booking.

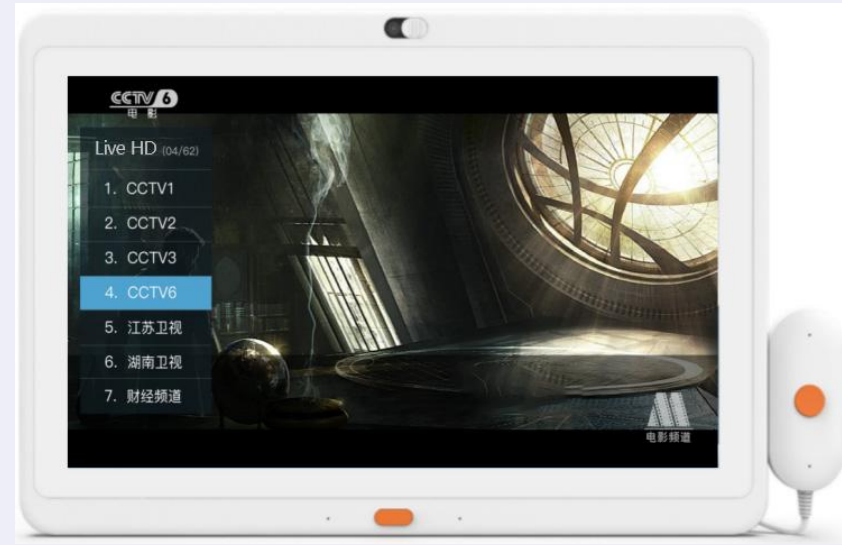


Ward Bedside Tablet - Patient Services

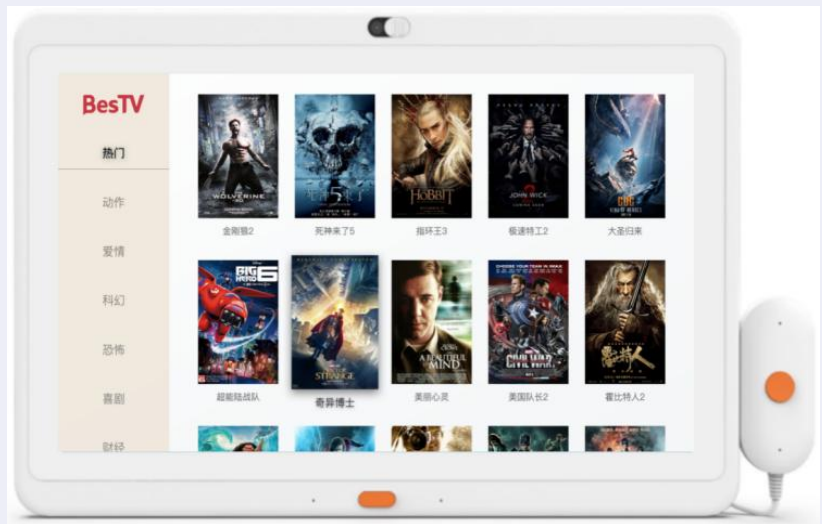
Hospital Introduction



Live HD



Genuine VOD



Health Education

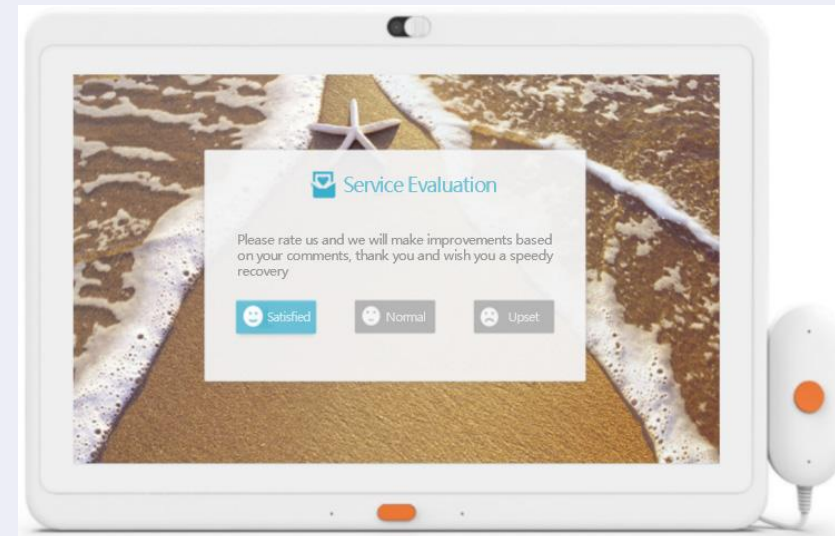


Ward Bedside Tablet - Patient Services

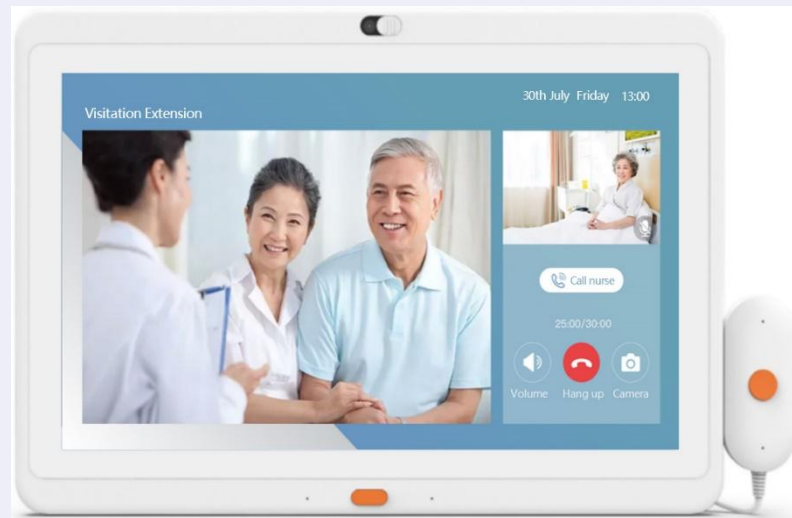
Nutritious Ordering



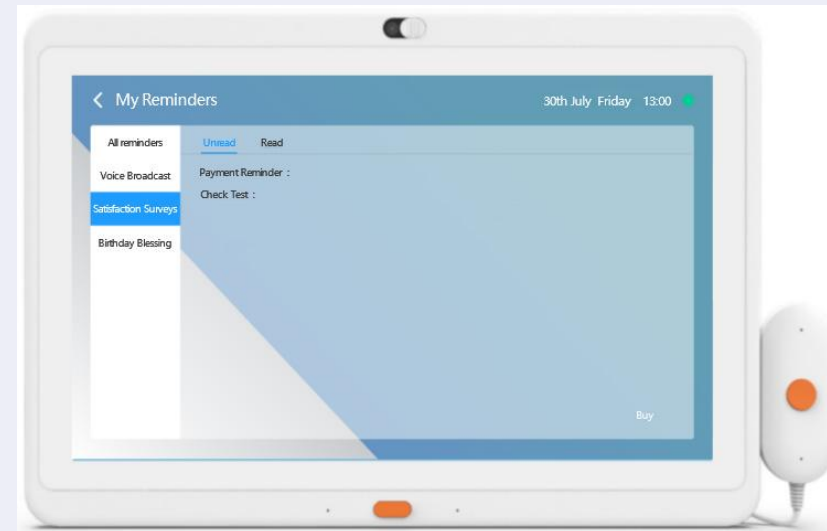
Nursing Evaluation



Remote Visitation



Appointment Reminders



Ward Bedside Tablet - Patient Services

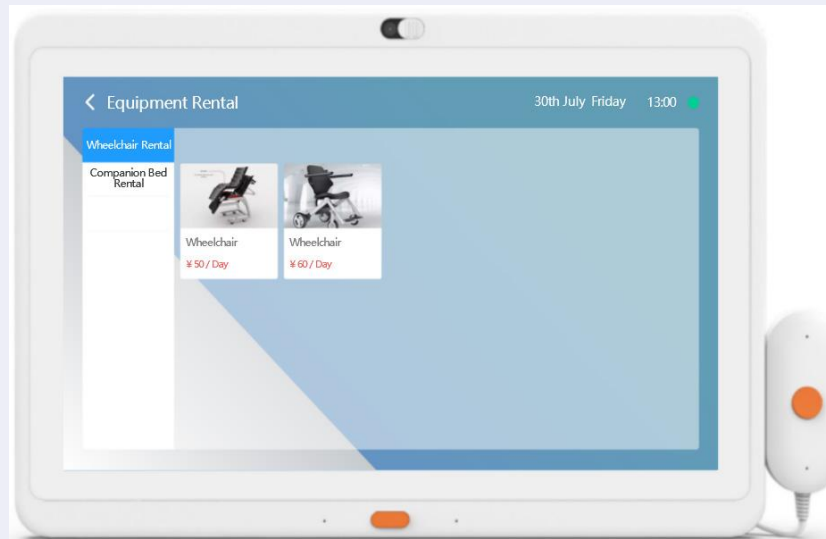
Fee Settlement



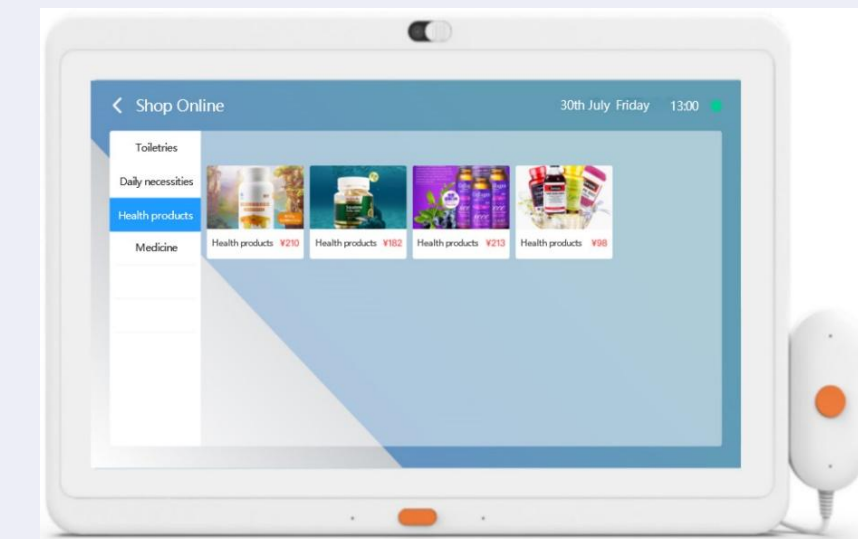
Caregiver Hired



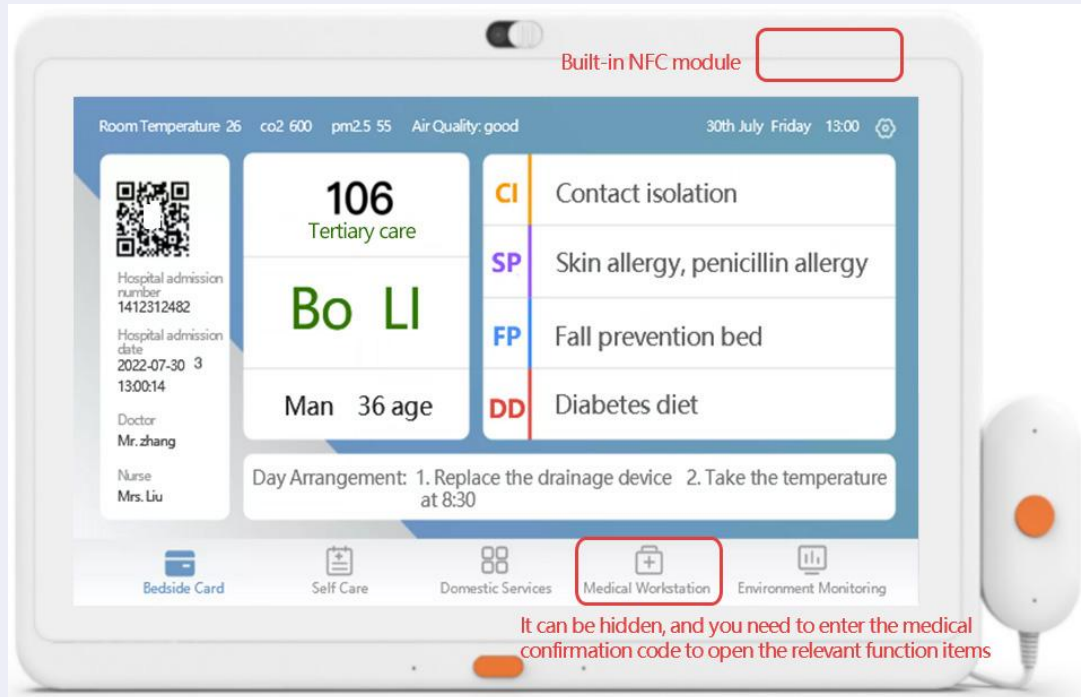
Equipment Rental



Shop Online



Ward Bedside Tablet - Nurse Services

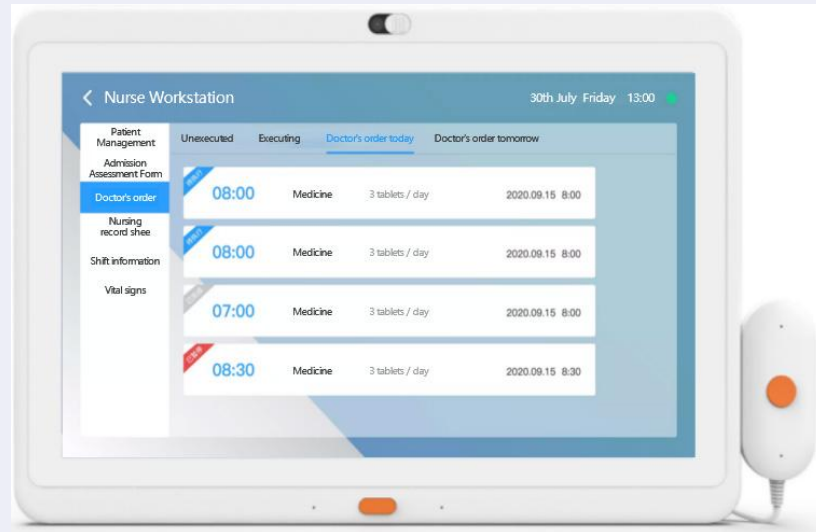


- Provide a medical and nursing work interface, one-click query of patient information, doctor's order information, inspection and test reports, etc.
- Scalable support: video calls, facial expression analysis, remote ward rounds, remote consultation, etc.

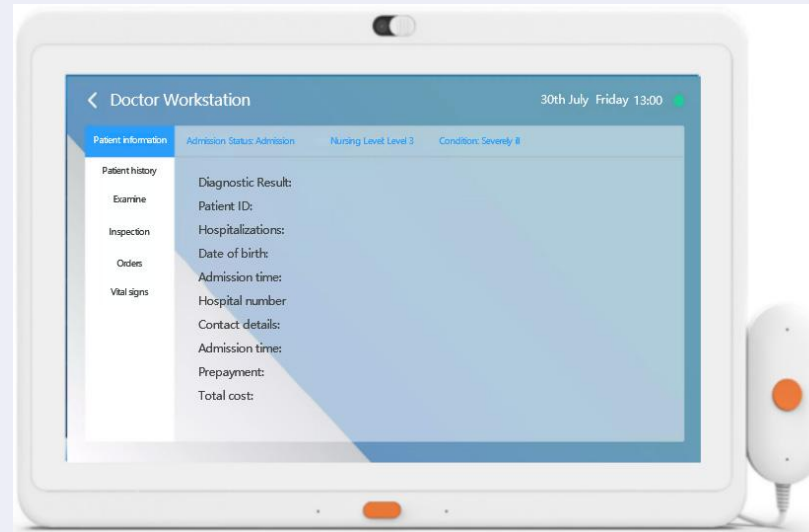


Ward Bedside Tablet - Nurse Services

Nursing Record Sheet

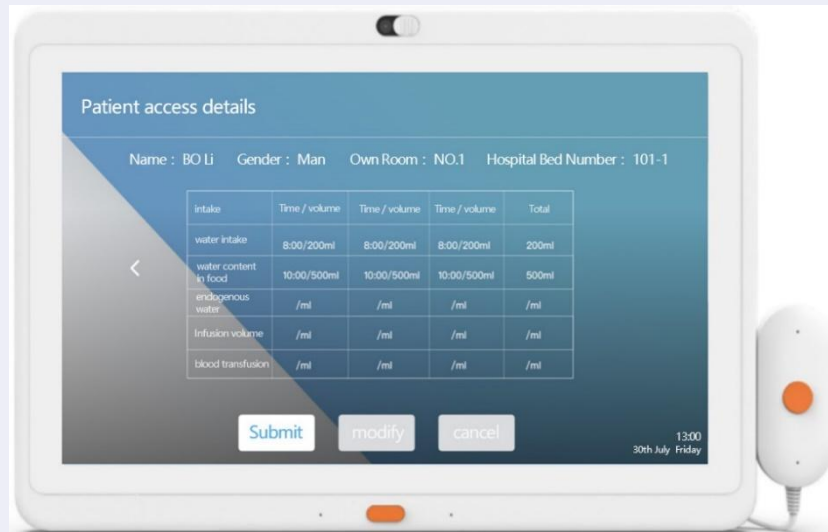


Examination & Inspection Report Query



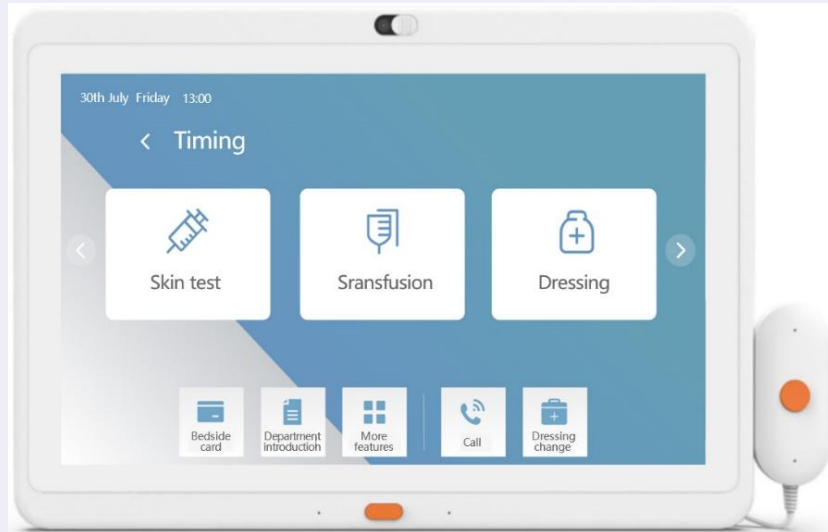
Pain Assessment

In-and-out Statistics

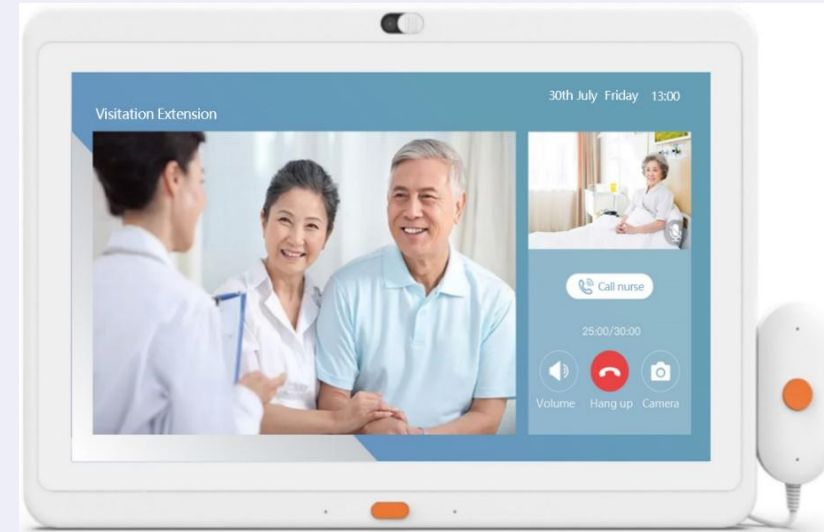


Ward Bedside Tablet - Nurse Services

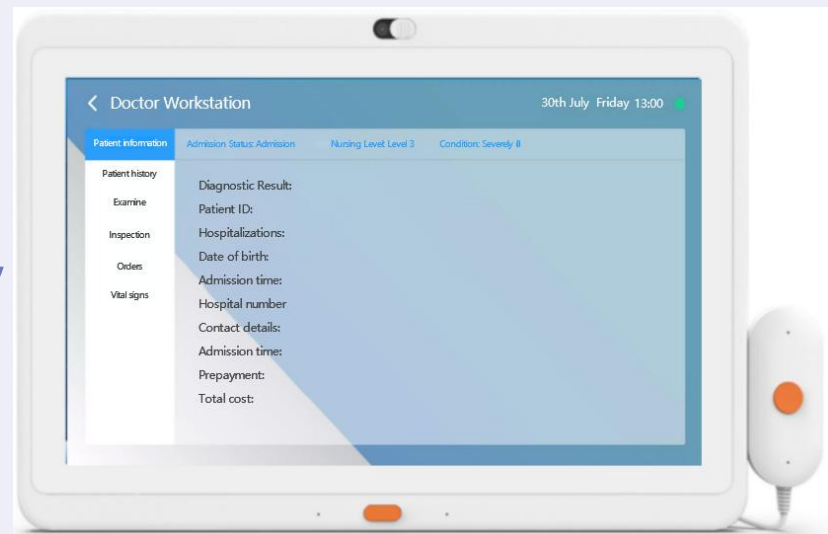
Featured Timing



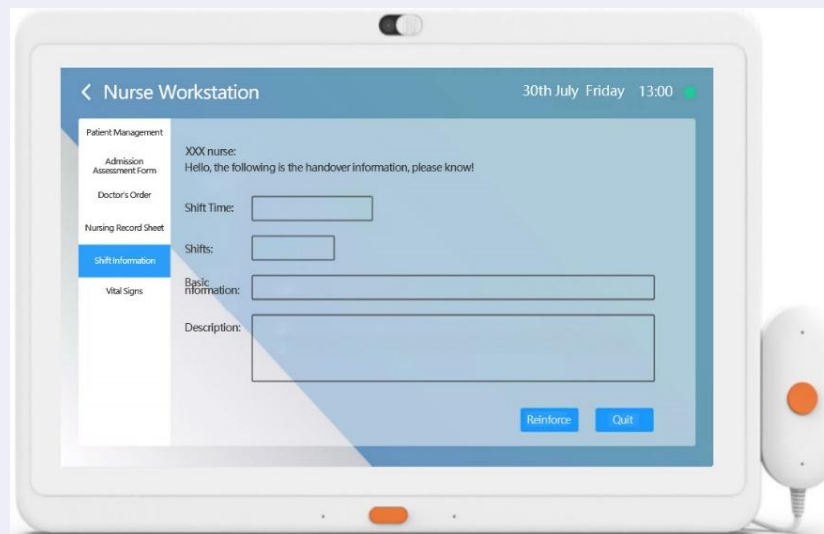
Visual Intercom



Doctor's Order Inquiry



Ward Round Statistics



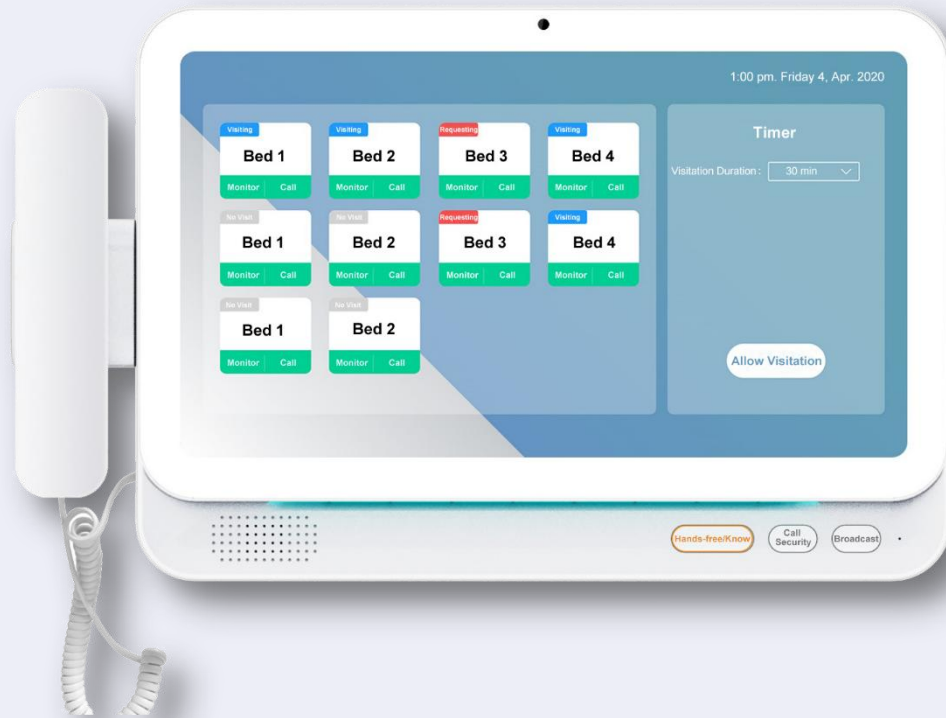
Ward Bedside Tablet - Environmental Monitoring



- Facing the IoT, it provides functions such as bedside lighting / curtain remote control, electrical remote monitoring, temperature and humidity monitoring, smoke alarm and other functions.
- Scalable support: physical sign collection, visitor registration management, personnel and asset positioning, baby anti-theft and other IoT applications.



Nurse Call Host



- Voice or video intercom initiate and receive
- Incoming call voice broadcast
- Call management console (visual call queue, level marking)
- Reminder and processing of unprocessed events in the hospital bed list
- Broadcast propaganda (real time, timed)
- Internal address book hosting, call transfer and vice-machine management



Nurse Station Information Screen

General Surgery(Hepatobiliary System and Pancreas Disease) 30th July Friday 13:00

01 Wang * Juan Day 50 60 years old 1228862 Doctor: Lin Ling Nurse: Ye Lixin	02 Huang * Fen Day 54 61 years old 1227108 Doctor: Lin Ling Nurse: Ye Lixin	03 Wang * Gen Day 50 61 years old 1228108 Doctor: Shen Zhu Nurse: Ye Lixin	04 Si * Gen Day 55 74 years old 1228681 Doctor: Shen Zhu Nurse: Ye Lixin	05 Wang * Fa Day 60 68 years old 1228887 Doctor: Sun Xue Nurse: Ye Lixin	06 Pan * Chao Day 54 60 years old 1227782 Doctor: Lin Ling Nurse: Ye Lixin	07 Zhang * Ying Day 61 70 years old 1228422 Doctor: Chen Zhu Nurse: Ye Lixin	08 Tao * Zhong Day 55 65 years old 1228718 Doctor: Shen Zhu Nurse: Ye Lixin
09 Zhang * Hua Day 49 59 years old 1228229 Doctor: Lin Ling Nurse: Ye Lixin	10 Xuan * Fei Day 54 64 years old 1228337 Doctor: Shen Zhu Nurse: Ye Lixin	11 He * * Day 55 65 years old 1228775 Doctor: Chen Bin Nurse: Ye Lixin	12 Yao * Fei Day 50 63 years old 1228562 Doctor: Shen Zhu Nurse: Ye Lixin	13 Li * Hua Day 55 75 years old 1228688 Doctor: Chen Zhu Nurse: Qian Li	14 Bao * Rong Day 55 76 years old 1228662 Doctor: Lin Ling Nurse: Qian Li	15 Jin * Mei Day 65 76 years old 1228662 Doctor: Shen Zhu Nurse: Qian Li	16 Wu * Lin Day 62 67 years old 1228264 Doctor: Lin Ling Nurse: Qian Li
17 Wang * Qian Day 54 74 years old 1228190 Doctor: Shen Zhu Nurse: Qian Li	18 Wang * Fu Day 54 63 years old 1228190 Doctor: Lin Ling Nurse: Qian Li	19 Lu * Qun Day 54 70 years old 1228435 Doctor: Sun Xue Nurse: Qian Li	20 Jiang * Min Day 54 67 years old 1228418 Doctor: Sun Xue Nurse: Qian Li	21 Wang * Zhen Day 62 67 years old 1228418 Doctor: Sun Xue Nurse: Qian Li	22 Zhu * Zhi Day 56 70 years old 1228662 Doctor: Chen Zhu Nurse: Qian Li	23 Yu * Wen Day 60 80 years old 1228462 Doctor: Sun Xue Nurse: Qian Li	24 Zhang * Di Day 55 61 years old 1228266 Doctor: Shen Zhu Nurse: Qian Li
25 Liang * Yun Day 54 60 years old 1227153 Doctor: Chen Zhu Nurse: Qian Li	26 Zhang * * Day 51 60 years old 1227153 Doctor: Chen Zhu Nurse: Qian Li	27 Dai * Shan Day 56 66 years old 1228532 Doctor: Chen Bin Nurse: Qian Li	28 Xu * Xing Day 52 62 years old 1228582 Doctor: Shen Zhu Nurse: Wu Gui	29 Wang * Yan Day 55 60 years old 1228587 Doctor: Sun Xue Nurse: Wu Gui	30 * * Day 55 60 years old 1227744 Doctor: Sun Xue Nurse: Wu Gui	31 Fu * Ben Day 74 84 years old 1227744 Doctor: Sun Xue Nurse: Wu Gui	32 Gao * Zhen Day 62 71 years old 1228111 Doctor: Lin Ling Nurse: Wu Gui
33 Zou * Yun Day 61 70 years old 1228208 Doctor: Chen Zhu Nurse: Wu Gui	34 Xu * Xin Day 62 70 years old 1228208 Doctor: Chen Zhu Nurse: Wu Gui	35 Zhang * Fang Day 57 66 years old 1228208 Doctor: Shen Zhu Nurse: Wu Gui	36 Ren * Jiang Day 65 75 years old 1228365 Doctor: Shen Zhu Nurse: Wu Gui	37 Wang * Guo Day 67 77 years old 1228592 Doctor: Shen Zhu Nurse: Wu Gui	38 Lin * Rui Day 65 75 years old 1228881 Doctor: Chen Bin Nurse: Wu Gui	39 He * Cheng Day 63 73 years old 1228592 Doctor: Sun Xue Nurse: Wu Gui	40 Luo * Sheng Day 61 68 years old 1228467 Doctor: Sun Xue Nurse: Wu Gui
41 Ni * Yan Day 58 68 years old 1228581 Doctor: Lin Ling Nurse: Wu Gui	42 Li * Nan Day 55 65 years old 1228468 Doctor: Chen Zhu Nurse: Wu Gui	43 Wu * Bing Day 63 73 years old 1228786 Doctor: Shen Zhu Nurse: Wu Gui	44 Li * Yun Day 61 71 years old 1228581 Doctor: Shen Zhu Nurse: Wu Gui	45 Chen * Quan Day 55 65 years old 1228581 Doctor: Shen Zhu Nurse: Wu Gui	46 Zhu * Fa Day 63 73 years old 1228581 Doctor: Shen Zhu Nurse: Wu Gui	47 * * Day 55 65 years old 1228581 Doctor: Shen Zhu Nurse: Wu Gui	48 Feng * Fu Day 55 65 years old 1228581 Doctor: Shen Zhu Nurse: Wu Gui

Unhandled messages

Bed 1 "Need help."

Operation

Bed 3 "In the operating room."

Bed 26 "Left the operating room."

Bed 40 "Operation is finished."

Bed 20 "Left the operating room."

Previous messages

Bed 1 "Need help."
-No.1 Ward Door Screen

Bed 2 "Need help."
-No.1 Bedside Screen

Bed 2 "Need help."
-Nursing Screen

Patient Information
Unit Information
Nursing Staffs
Nursing Shift
Vital Sign Monitor
Infusion Monitor
Fire Service

- Bed list, support to present the list of patients in the ward in the form of cards.
- Message alert, real-time display of health care intercom system calls and unprocessed event messages.
- Docking transfusion monitoring, nursing system, real-time display monitoring, nursing and shift information.



Nurse Station Information Screen

The Nurse Station Information Screen

General Surgery(Hepatobiliary System and Pancreas Disease) 30th July Friday 13:00

01 Wang * Juan Day 60 63 years old 1225569 Doctor: Lin Ling Nurse: Ye Linlin	02 Huang * Fen Day 54 64 years old 1227106 Doctor: Lin Ling Nurse: Ye Linlin	03 Wang * Gen Day 59 64 years old 1227106 Doctor: Shen Zhi Nurse: Ye Linlin	04 Si * Gen Day 56 74 years old 1226401 Doctor: Shen Zhi Nurse: Ye Linlin	05 Wang * Fa Day 60 80 years old 1225567 Doctor: Sun Xue Nurse: Ye Linlin	06 Pan * Chao Day 54 74 years old 1227170 Doctor: Lin Ling Nurse: Ye Linlin	07 Zhang * Ying Day 61 70 years old 1225432 Doctor: Chen Zhi Nurse: Ye Linlin	08 Yao * Zhong Day 56 69 years old 1226715 Doctor: Shen Zhi Nurse: Ye Linlin
09 Zhang * Hua Day 46 50 years old 1226828 Doctor: Lin Ling Nurse: Ye Linlin	10 Xuan * Fei Day 54 34 years old 1226397 Doctor: Shen Zhi Nurse: Ye Linlin	11 He * Day 53 25 years old 1220723 Doctor: Chen Bin Nurse: Ye Linlin	12 Yao * Fei Day 50 63 years old 1225852 Doctor: Lin Ling Nurse: Ye Linlin	13 Li * Hua Day 96 79 years old 1226266 Doctor: Chen Zhi Nurse: Qian Li	14 Bao * Rong Day 65 78 years old 1226882 Doctor: Lin Ling Nurse: Wu Gui	15 Jin * Mei Day 69 78 years old 1226882 Doctor: Shen Zhi Nurse: Qian Li	16 Wu * Lin Day 62 67 years old 1225091 Doctor: Lin Ling Nurse: Qian Li
17 Wang * Quan Day 54 74 years old 1224049 Doctor: Shen Zhi Nurse: Qian Li	18 Wang * Fu Day 54 63 years old 1224049 Doctor: Lin Ling Nurse: Qian Li	19 Lu * Quan Day 54 70 years old 1226438 Doctor: Sun Xue Nurse: Qian Li	20 Jiang * Min Day 64 37 years old 1224414 Doctor: Sun Xue Nurse: Qian Li	20 Wang * Zhen Day 62 57 years old 1224414 Doctor: Ruan Xin Nurse: Qian Li	22 Zhu * Zhu Day 56 70 years old 1226633 Doctor: Chen Zhi Nurse: Qian Li	23 Yu * Wen Day 60 50 years old 1225566 Doctor: Ruan Xin Nurse: Qian Li	24 Zhang * Di Day 65 81 years old 1225566 Doctor: Shen Zhi Nurse: Qian Li
25 Liang * Yun Day 54 45 years old 1227153 Doctor: Chen Zhi Nurse: Qian Li	26 Zhang * Day 51 45 years old 1227153 Doctor: Chen Zhi Nurse: Qian Li	27 Dan * Shun Day 56 86 years old 1226607 Doctor: Chen Bin Nurse: Qian Li	28 Xu * Xing Day 52 62 years old 1226342 Doctor: Chen Zhi Nurse: Wu Gui	29 Wang * Yan Day 98 69 years old 1216007 Doctor: Sun Xue Nurse: Wu Gui	30 Day 54 70 years old 1227044 Doctor: Sun Xue Nurse: Wu Gui	31 Fu * Gen Day 54 70 years old 1227044 Doctor: Sun Xue Nurse: Wu Gui	32 Gao * Zhen Day 62 71 years old 1225114 Doctor: Lin Ling Nurse: Wu Gui
33 Zou * Yun Day 61 65 years old 1225386 Doctor: Chen Zhi Nurse: Wu Gui	34 Xu * Xin Day 62 72 years old 1219932 Doctor: Chen Zhi Nurse: Wu Gui	35 Zhang * Fang Day 57 85 years old 1226374 Doctor: Shen Zhi Nurse: Wu Gui	36 Ren * Jiang Day 66 85 years old 1226363 Doctor: Shen Zhi Nurse: Wu Gui	37 Wang * Gen Day 57 71 years old 1225992 Doctor: Shen Zhi Nurse: Wu Gui	38 Lin * Rui Day 59 64 years old 1225881 Doctor: Chen Bin Nurse: Wu Gui	39 Hu * Cheng Day 55 58 years old 1226899 Doctor: Sun Xue Nurse: Wu Gui	40 Luo * Sheng Day 61 69 years old 1225497 Doctor: Ruan Xin Nurse: Wu Gui
41 Ni * Yan Day 59 37 years old 1225761 Doctor: Lin Ling Nurse: Wu Gui	42 Li * Nan Day 55 42 years old 1225666 Doctor: Chen Zhi Nurse: Wu Gui	43 Wu * Bing Day 63 50 years old 1224765 Doctor: Shen Zhi Nurse: Wu Gui	44 Lu * Yun Day 61 73 years old 1225303 Doctor: Shen Zhi Nurse: Wu Gui	45 Chen * Quan Day 65 71 years old 1226805 Doctor: Shen Zhi Nurse: Wu Gui	46 Zhu * Fu Day 58 71 years old 1226033 Doctor: Shen Zhi Nurse: Wu Gui	47 Day 58 69 years old 1226630 Doctor: Shen Zhi Nurse: Wu Gui	48 Feng * Fu Day 56 69 years old 1226630 Doctor: Shen Zhi Nurse: Wu Gui

Unhandled messages

- Bed 1 "Need help."

Operation

- Bed 3 "In the operating room."
- Bed 26 "Left the operating room."
- Bed 40 "Operation is finished."
- Bed 29 "Left the operating room."

Previous messages

- Bed 1 "Need help." -No.1 Ward Door Screen
- Bed 2 "Need help." -No.1 Bedside Screen
- Bed 2 "Need help." -Nursing Screen

Patient Information
 Unit Information
 Nursing Staffs
 Nursing Shift
 Vital Sign Monitor
 Infusion Monitor
 Fire Service

It can help hospital nurses extract the required data from mobile nursing background and related systems like HIS, and its function of central display **allows nurses to monitor the patient's dynamics, special conditions and nursing items.**

It is an important work of the hospital's "Further Improvement In Healthcare" and a critical step in the construction of "Smart Hospital".



Nurse Station Information Screen

The Nurse Station Information Screen

General Surgery(Hepatobiliary System and Pancreas Disease) 30th July Friday 13:00

Nursing Information	Hospital Beds	Daily Inspection	Pre-scheduled Inspection
<p>VTE: 01, 03, 05, 13, 14, 18, 27, 28, 29, 34, 36, 45, 46, 48</p> <p>24h urine volume recorder: 17, 18, 48</p> <p>Intake and output volume record:</p> <p>ECG monitoring:</p> <p>Diabetes: 01, 12, 22, 32, 37, 43, 45, 46</p> <p>Fasting: 27, 29, 34</p> <p>High risk pressure sores:</p> <p>High risk fall: 04, 16</p> <p>Moderate risk fall: 13, 14, 18, 24, 27,29,32, 34,37,40</p> <p>Anti-wander away:</p> <p>Anti-suffocation</p> <p>Anti-scald:</p> <p>Penicillin anaphylaxis:</p> <p>Sulfonamide anaphylaxis:</p> <p>Cephalosporin anaphylaxis:</p> <p>Lodine anaphylaxis:</p> <p>PICC:</p> <p>Central venous catheter: 46, 47,48,49</p> <p>Contact isolation: 01, 17</p> <p>ADL:</p>	<p>Today's admission:</p> <p>Today's surgery: 01, 03, 05,07,09,11,12,13,15,16,23, 29, 34, 40</p> <p>Tommorow's surgery: 04, 26, 28, 36</p>	<p>Bed 01 Wang * Juan PETCT PECT Room Whole body PET/CT (Skull base to upper thigh) Examination preparing time: 7/30 17:00</p> <p>Bed 03 Wang * Gen CT CT Room 3 Chest and mediastinum plain and enhanced CT Examination preparing time: 7/30 17:00</p> <p>Bed 05 Wang * Fa CT CT Room 5 Chest and mediastinum plain and enhanced CT Examination preparing time: 7/30 17:00</p> <p>Bed 07 Zhang * Ying MR MR Room 3 MRCP (1.5T) Examination preparing time: 7/30 17:00</p> <p>Bed 09 Zhang * Hua CT CT Room 3 Upper and lower abdomen and pelvic cavity plain and enhanced CT Examination preparing time: 7/30 17:00</p> <p>Bed 11 He * Da PETCT PECT Room Whole body PET/CT (Skull base to upper thigh) Examination preparing time: 7/30 19:00</p> <p>Bed 11 Yao * Fei MR CT Room 2 MRCP (1.5T)</p>	<p>Surgery Today 14 Tomorrow / Pre-operation 4</p> <p>Bed 29 Wang * Yan Pancreatoduodenectomy Surgeon: Anesthetist: 7/30 19:00 Status: Pre-operation preparation</p> <p>Bed 34 Wang * Yan Pancreatoduodenectomy Surgeon: Anesthetist: 7/30 19:00 Status: Pre-operation preparation</p> <p>Bed 15 Wang * Yan Choledocholithotomy Surgeon: Anesthetist: 7/30 19:00</p>

Patient Information Unit Information Nursing Staffs Nursing Shift Vital Sign Monitor Infusion Monitor Fire Service

It supports **touch/non-touch operation** to suit different scenarios. If in-depth interaction is required, nurses can adapt the touch operation mode, **after passing the authentication, they can view the patient's diagnosis and treatment content (doctor's order, inspection, fee and other information).**

It supports the function of calling up the **whiteboard box**-manually input and automatically generate a **memo**, which is convenient for the daily recording work of medical staff.



Nurse Station Information Screen

Infusion Monitor



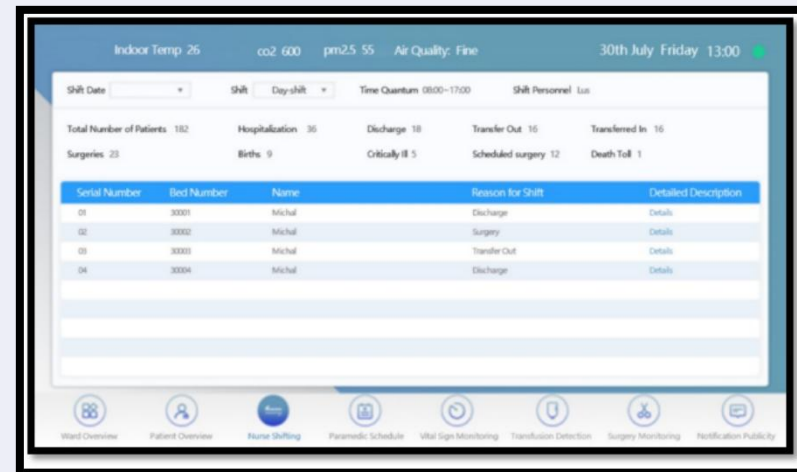
Operating Room Monitor



Nursing Staffs



Nursing Shift



3. ICU Visitation System



1

Remote Visitation

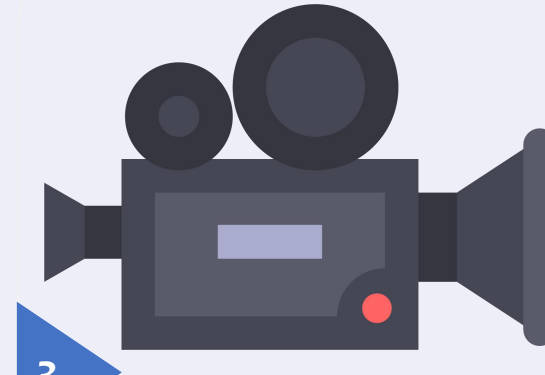
It support the device to access the Internet for remote mobile visitation.



2

Visitation Management

Appointment and authorization : the nurse approve the visit request uniformly on the host side, then the family members can conduct remote video visitation with the patients.



3

Monitoring and Recording

During the visitation, the nurse can monitor the whole process, insert and cut off during the visit and record the whole process.



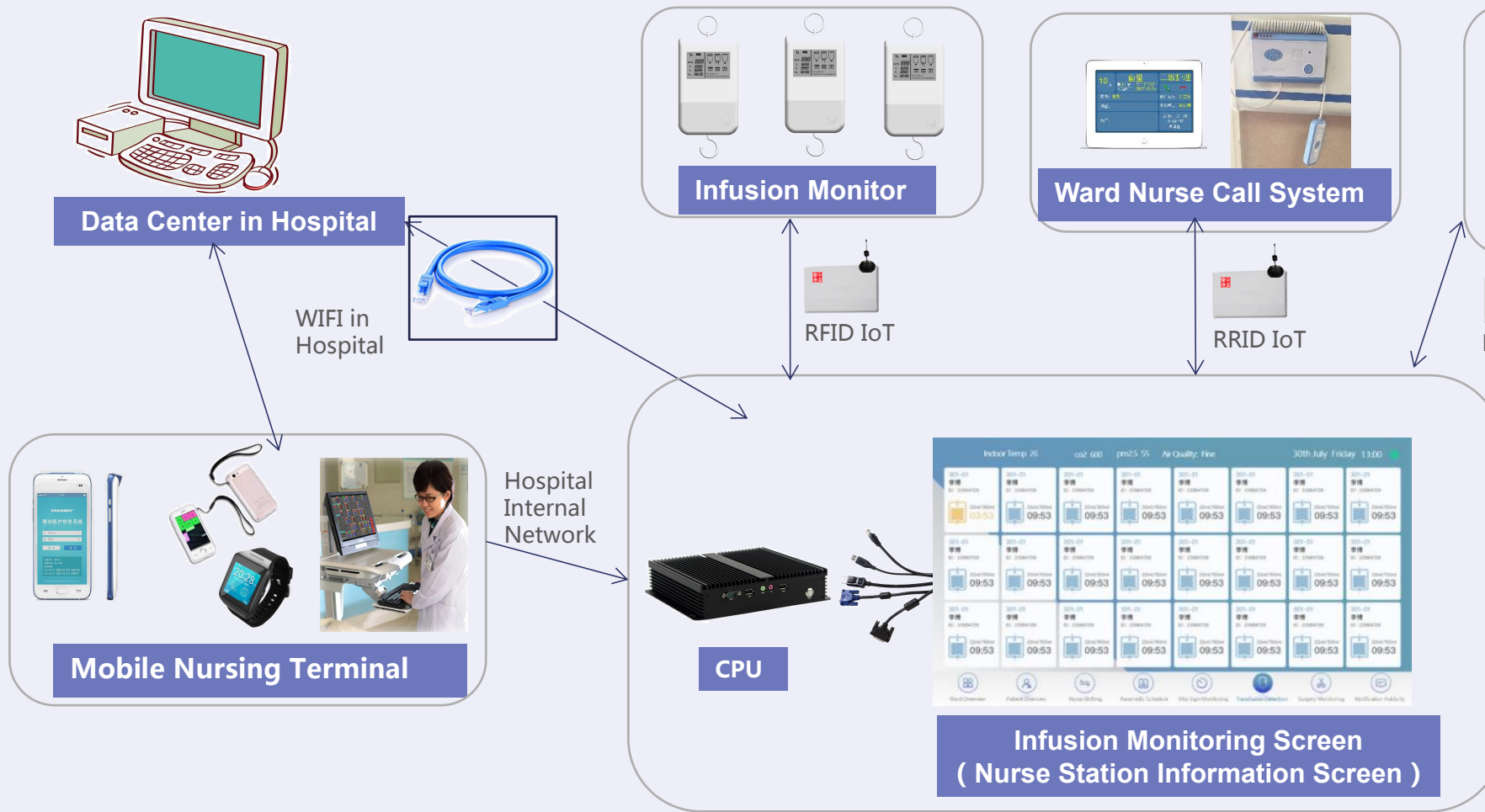
4

Timed Automatic End

Medical staff can set the visiting duration in the management platform. There will be an automatic reminder before the end of the duration and the visitation will be interrupted when time's up.



4. Infusion Alarm System

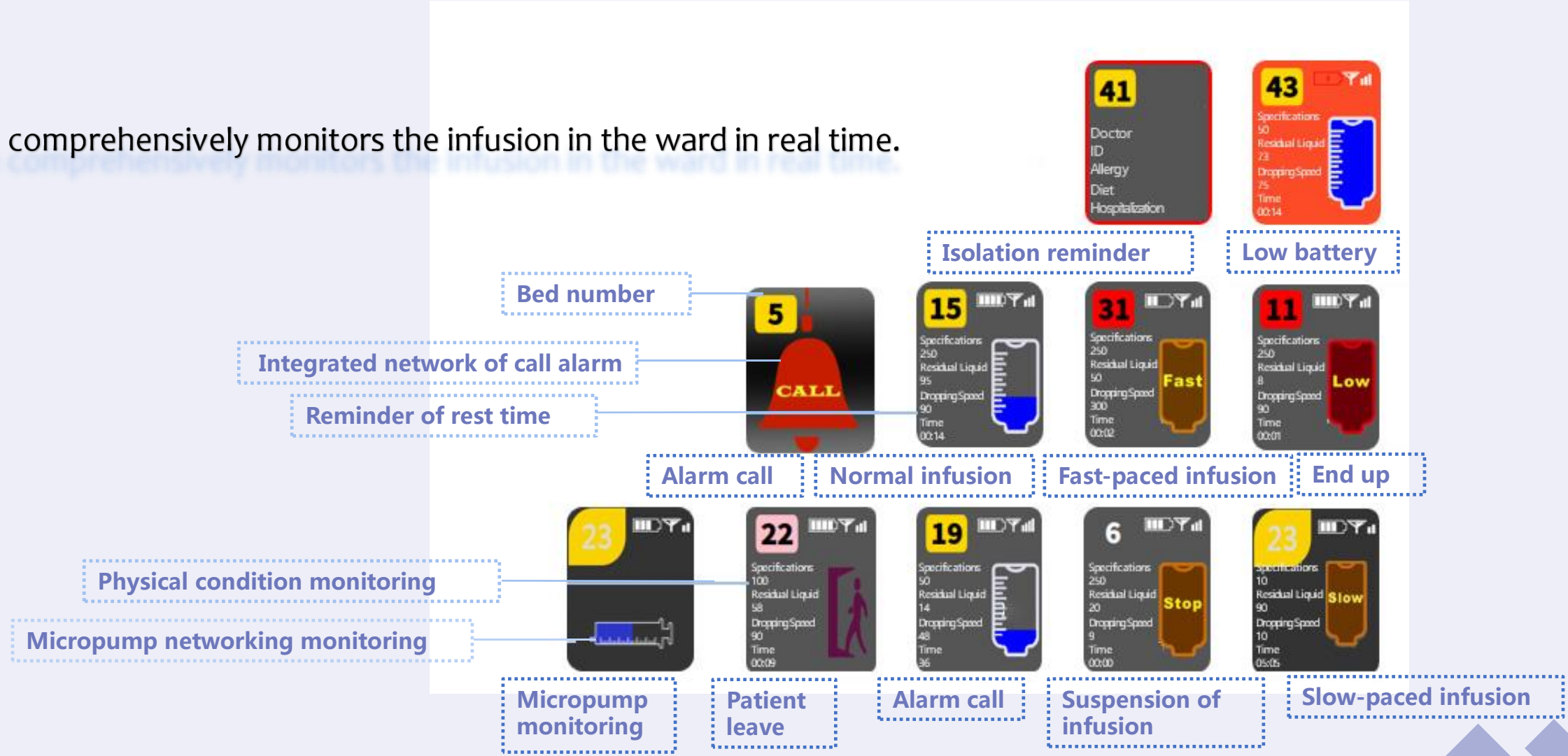


- **Simple operation:** Hang it and then use it, touch power on without additional operation for nurses.
- **Precision:** Automatically identify the liquid package specification, accurately calculate the margin with accuracy about 1ml.
- **Energy saving:** The system automatically turn off if there is no operation after 60 seconds. Lithium battery has a long endurance of more than 500 hours.
- **Anti interference:** Automatic locking to avoid external interference.
- **Humanization:** 6 infusion modes are designed to meet the various needs in the hospital.

Infusion Alarm System

The system comprehensively monitors the infusion in the ward in real time.

The system comprehensively monitors the infusion in the ward in real time.



Corridor Screen



- Customizable layout, different departments display different styles of interface layout.
- Display department information, slogan information, time and date, scroll time and relevant prompt slogans.
- Call message and alarm message reminder.
- With call prompt tone (voice or music), the volume can be set by software.
- Each ward is equipped with corridor display screens as required, and the number is not limited.



PART 03

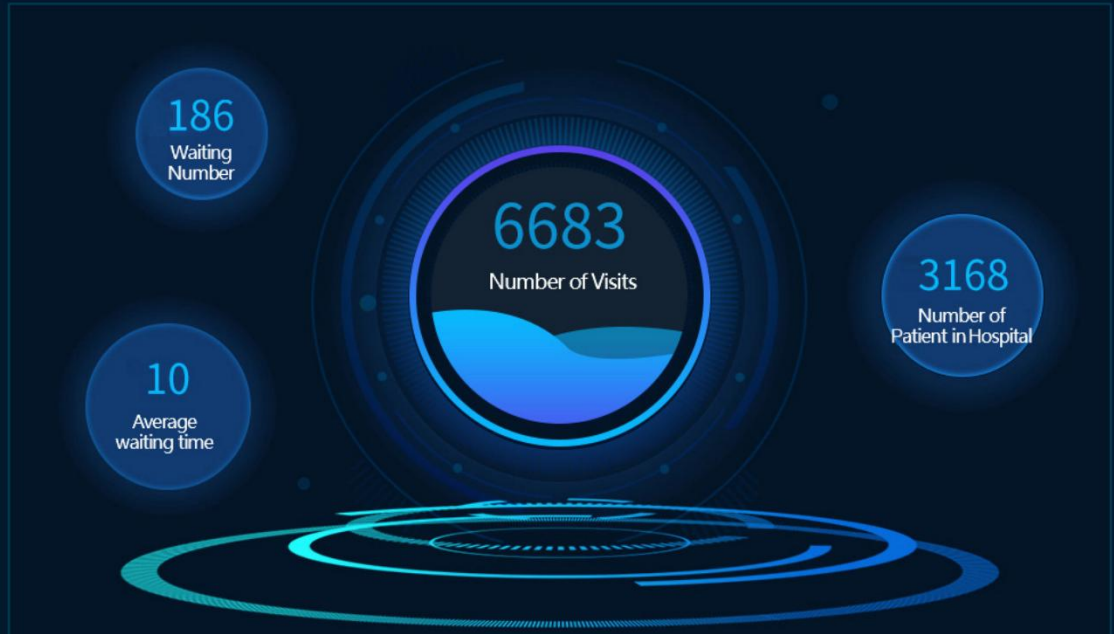
Visual Management Platform of Hospital



Visual Management Platform

Smart Data Platform of Outpatient

Registered	11594
Inactive	1078
People in queue	2717
Completed	7687
Missed	09



Top List of Visits

2020.09.01-2020.09.08

Outpatient Pharmacy	5500
Radiology	4735
Medical Records Room	3289
Hematology Department Integrated	2967
Chinese and Western Medicine Department	2967
General Surgery	2785
Obstetrics and Gynecology	2203
Dermatology	1965
Neurology	1521
E.N.T. department	1364



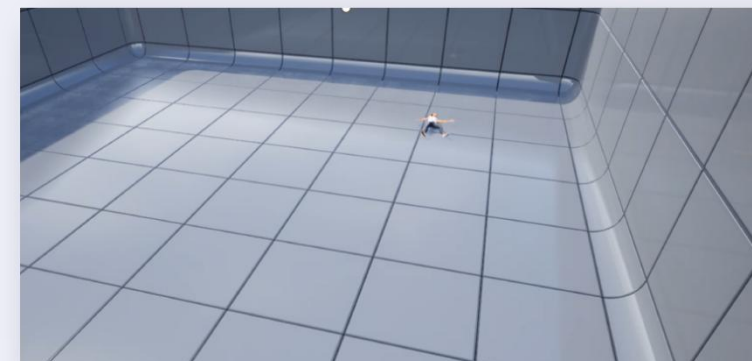
26	19	76	34	21
Respiratory	Cardiac Surgery Department	Cardiovascular Department	Orthopaedics	Ophthalmology



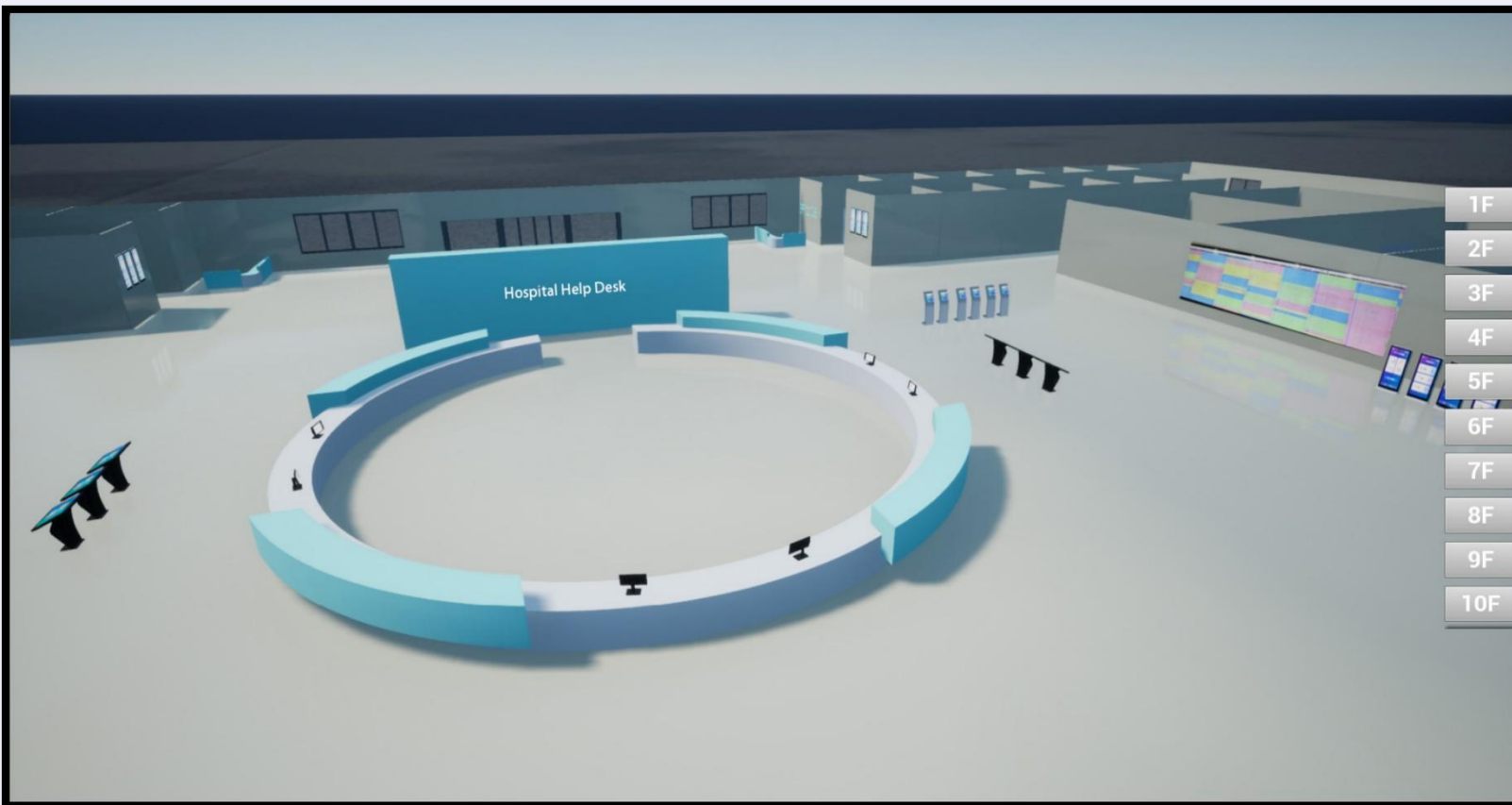
Visual Management Platform

Cloud computing with no less than 98% precision based on monitor to recognize people fall and population density.

1. People Fall



2. Population Density



Visual Management Platform

➤ Data Overview

Produce readable core business data of key departments mainly includes outpatient department, ward, medical technology department, inpatient department etc.

➤ 3D Map

Hospital supporting facilities, parking lot traffic and intersection conditions can be checked on the 3D map. Distribution of patients on different floors can be checked for patients diversion. On the 3D map, any device can be click to check the its status and its current playing content.

➤ Event Warning

Collected by the camera, adverse events such as abnormal congestion, people falling will be triggered to alarm. All these events will automatically remind and synchronize to the nurse station for emergency disposal.



➤ Hospital Broadcast

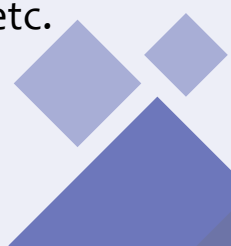
Any camera in the hospital can be selected to broadcast to specific areas by selecting the quick broadcast function.

➤ Emergency Evacuation

Linked with the fire monitoring equipment, once there is uncontrollable events such as fire and earthquake, it will release emergency evacuation content to all the digital signage terminals to guide orderly evacuation.

➤ Missing Person

The face information recorded from the hospital admission can be used to locate the behavior track and current position of the target person within the monitoring range of the camera through human image comparison and locking in the scenes of child loss, personnel escape, temporary search, etc.



PART 04

CASES



1. Maldives Hulumale Hospital



There are 100 points of IPTV in this hospital. We provide customized UI and languages to meet the hospital's requirement. With our set-top box, our system can be run on the original TV of the hospital to assist the hospital to reduce hardware cost.

This solution makes it easier for hospitals to provide patients, visitors and staff with managed access to different categories of content -- whether it is video on demand, live broadcasts, or proprietary hospital programming. In so doing, it allows hospital leaders to deliver more value with fewer resources.



2. Cambodia Friendship Hospital



The hospital selected ClearTV to build an outpatient triage and call system and information release system. Our equipments is deployed in the hall of the outpatient building, outpatient waiting area, nurse triage desk, medical technology department, pharmacy and other departments.

Our call system cooperates with the information release system to clearly divert and optimize the queuing of patients. It greatly release the counseling stress, makes patients wait in an orderly manner, also reduces the waiting time of patients in general diagnosis, thus has been widely recognized by the hospital and patients.

3. Zambia Hospital



We provided and triage system for the hospital. Our company won the honor to design a full set of outpatient ward intelligent mechanism for it, and successfully built mobile terminal, triage and medical guidance system, intelligent doctor scheduling display system, integrated multimedia information display system, digital ward system. The devices , covering a wide area, is deployed in the hall of the outpatient building, waiting room, nurse triage desk and other crowded places.





THANKS



OFFICE: (+86) 571-89714581

Phone: (+86) 13957196036

Email: sale01@dibvision.com

Skype: dibdvb

Website: www.dibvision.com