DINSTAR

SIP Intercom
Product Introduce

Foreword

DINSTAR

- This course is mainly:

  - Describe what is SIP Intercom

  - Describe SIP Intercom common function

  - Explain Dinstar SIP Intercom product

  - Introduce Dinstar SIP Intercom application scenario

Course Objective

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Through this course you will be able to

Understand and know what is SIP Intercom

Be familiar with SIP Intercom main function

Know Dinstar SIP Intercom product and application

Contents

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About SIP Intercom

DINSTAR

What is SIP Intercom

- Dinstar IP Broadcast System Main Functions

Alarm

Dispatch

Electronic Map

Broadcast

Intercom

Video Interaction

Recording
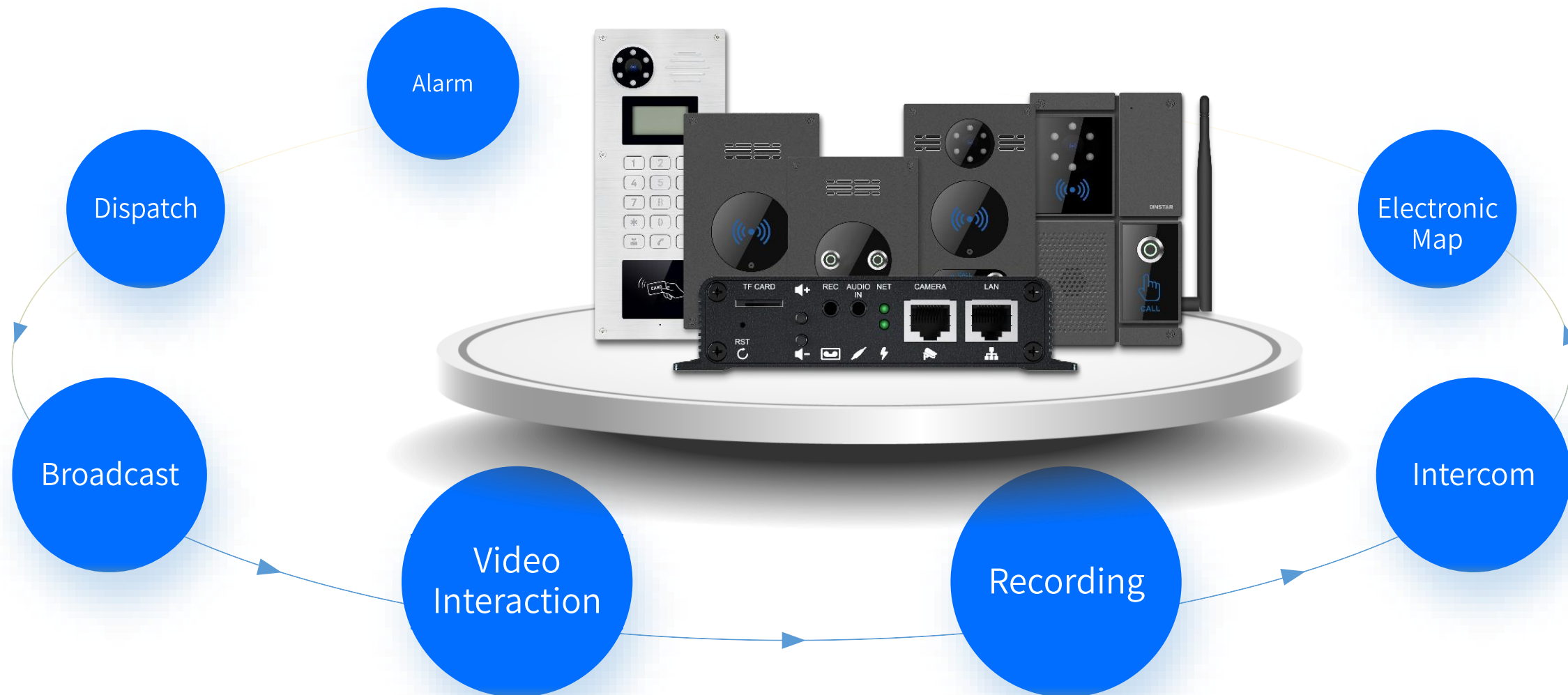
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SIP Intercom Compare

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- Different

	common intercom	Dinstar intercom
Protocol	TCP/IP or not standard protocol	Based on TCP/IP & SIP
material	Most of it is ABS plastic, a small amount is metal	Most of them are aluminum alloy
cost	Low cost cpu	High performance cpu
configuration	Private protocol	Standard protocol tr069 and so on
Basic feature	Basic intercom function	Basic intercom function and advanced function
install	Most of indoor	Indoor or outdoor
expansibility	Private protocol and need third part API, SDK	Standard Sip protocol and easily connect third part sip device
voice/video	G.711	G.722/G.729,H264/265
security	Private firewall	VPN, 802.1X, SRTP

SIP Intercom Product

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- SIP Intercom List

	DP81U	DP82U	DP83U	DP85U	DP88	DP91	DP92	DP92V	DPA
Screen	×	×	×	×	2.3" Backlight	×	×	×	×
IC/ID Card	×	√	×	√	√	Optional	Optional		×
Camera	×	×	200W pixel	200W pixel	200W pixel	×	×	√	External Connection
SIP Account	2	2	2	2	2	2	2		2
Network	1*RJ45 10/100Mbps						1*RJ45 10/100Mbps		2*RJ45 10/100Mbps
PoE	√						√		√
ONVIF	√						√		√
4G	×	×	×	×	×	×	Optional		USB 4G Dongle

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SIP Intercom Introduce

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DP92

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- ## 4G SIP Intercom

4G

HD Voice

Quick Dial

Video Interaction

Remote Control Electric Lock

DP92V-SG Video Intercom

double key(optional), swipe card

DP92-SG **Voice Intercom**

Double key(optional)

DP8

- ## Voice Intercom

DP81U

- ☐ Two-way audio stream
- ☐ HD voice
- ☐ Remotely control the electric lock to open and close the door
- ☐ Automatic answer
- ☐ Two SIP lines, two SIP servers
- ☐ Two-tone multi-frequency DTMF signal open the door

DP82U

- ☐ Two-way audio stream
- ☐ HD voice
- ☐ Remotely control the electric lock to open and close the door
- ☐ Automatic answer
- ☐ Two SIP lines, two SIP servers
- ☐ Two-tone multi-frequency DTMF signal open the door
- ☐ RFID card open the door

DP8 (continue)

DINSTAR

- ## Video Intercom

DP85U
- ☐ Two-way audio stream
- ☐ HD video
- ☐ Remotely control the electric lock to open and close the door
- ☐ Automatic answer
- ☐ Two SIP lines, two SIP servers
- ☐ Two-tone multi-frequency DTMF signal open the door
- ☐ RFID card open the door

DP83U
- ☐ Two-way audio stream
- ☐ HD video
- ☐ Remotely control the electric lock to open and close the door
- ☐ Automatic answer
- ☐ Two SIP lines, two SIP servers
- ☐ Two-tone multi-frequency DTMF signal open the door

DP88U
- ☐ Two-way audio stream
- ☐ HD video
- ☐ Remotely control the electric lock to open and close the door
- ☐ Automatic answer
- ☐ Two SIP lines, two SIP servers
- ☐ Two-tone multi-frequency DTMF signal open the door
- ☐ RFID card open the door
- ☐ 2.3" Screen

DP91

DINSTAR

- ## Voice Intercom

DP91-S

Double Button
Optional
DP91-D

DP91

- ☐ Full duplex intercom
- ☐ HD voice
- ☐ Remotely control the electric lock
  to open and close the door
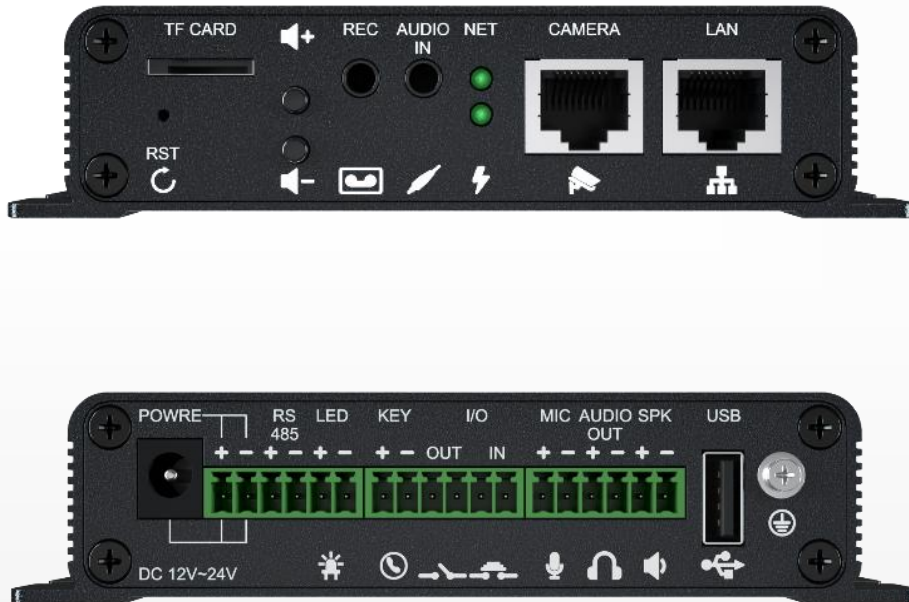- ☐ Automatic answer
- ☐ Support medical care pull

DP70

- ## Intelligent Intercom Indoor Unit

DP70

- ☐ Two-way audio stream
- ☐ 8 alarm inputs
- ☐ DTMF open the door
- ☐ Supports a maximum of 8 IP cameras
- ☐ Connect one RS485 port to the ladder control system
- ☐ 7 inch high resolution wide viewing angle touch screen
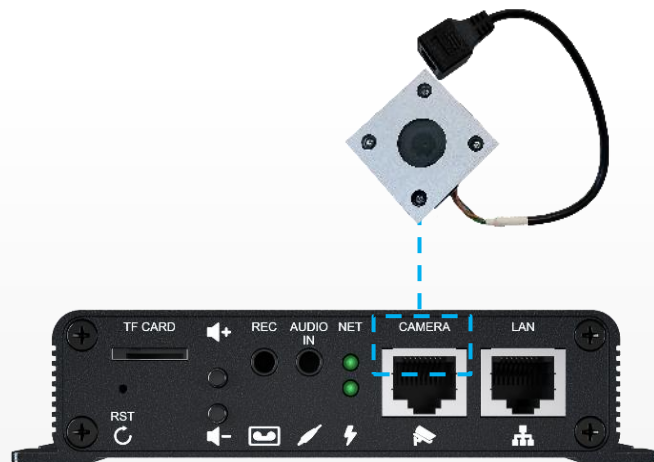
DPA

- SIP Paging Gateway

DPA

- □ SIP paging gateway
- □ HD voice
- □ Real-time broadcast and timed broadcast
- □ Two SIP lines, two SIP servers
- □ Open and close doors remotely
- □ Door open, DTMF signal
- □ Rich interface, can connect camera, power amplifier, warning light, key switch, electromagnetic door lock and so on
- □ self-diagnosis

DPA (continue)

- mountings

- 1* 300W digital camera
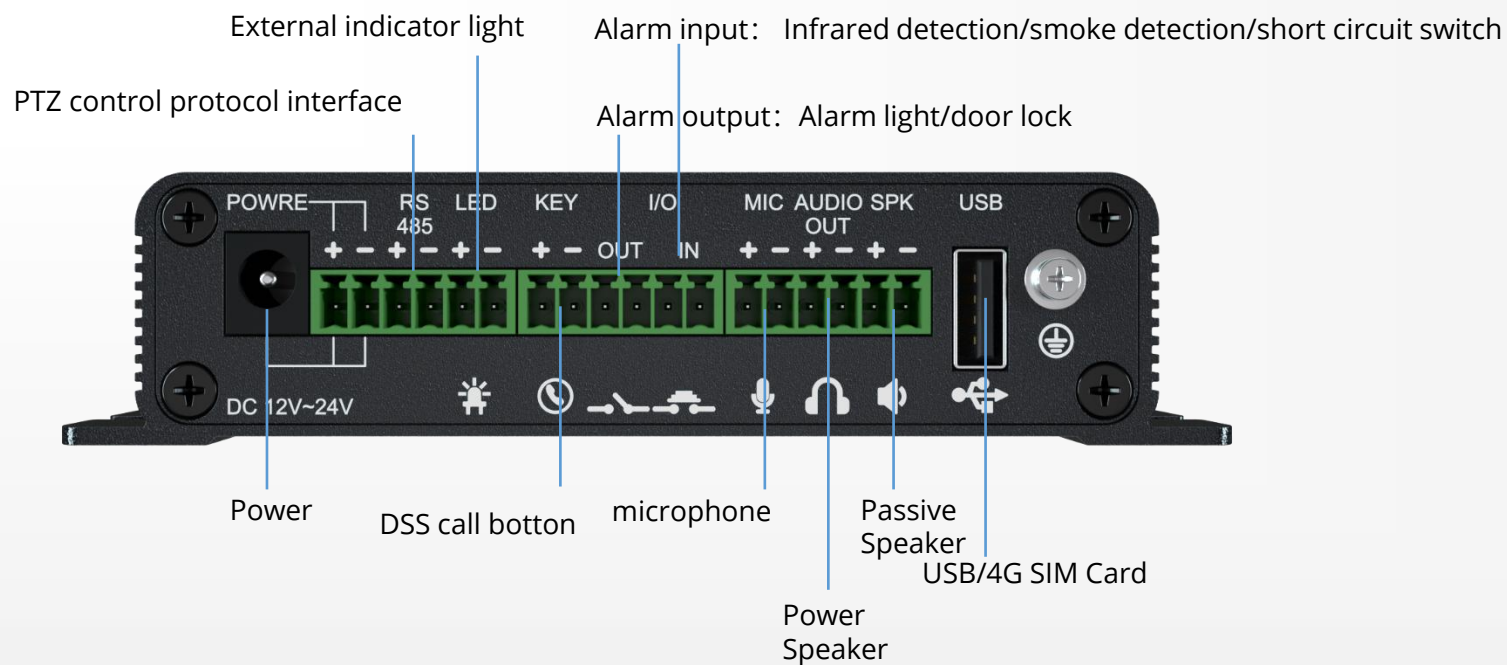- 1* metal emergency button
- 1* microphone
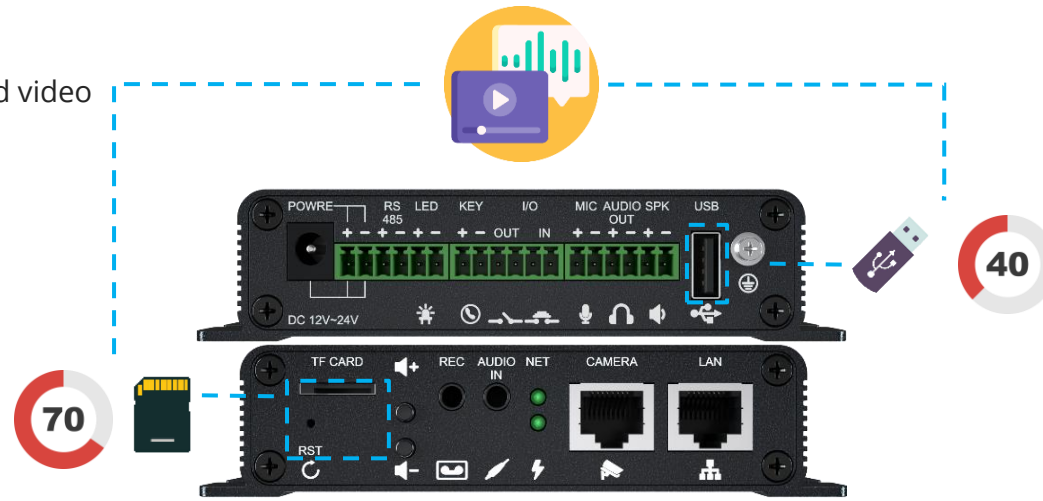- 1* 2W passive speaker
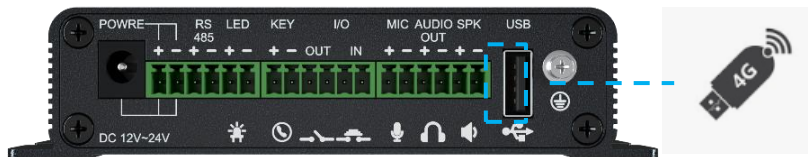
DPA (continue)

- Front Interface

Monitor earphone

PTZ camera/Tool Box camera

TF CARD   REC   AUDIO IN   NET   CAMERA   LAN

RST

SD card

3.5mm microphone/CD/DVD player

Ethernet

DPA (continue)

DINSTAR

- Back Interface

External indicator light

Alarm input： Infrared detection/smoke detection/short circuit switch

PTZ control protocol interface

Alarm output： Alarm light/door lock

POWRE   RS   LED   KEY   I/O   MIC AUDIO SPK   USB
         485   OUT
         + − + − + −   + − OUT IN   + − + − + −

DC 12V~24V

Power

DSS call botton

microphone

Passive Speaker

Power Speaker

USB/4G SIM Card

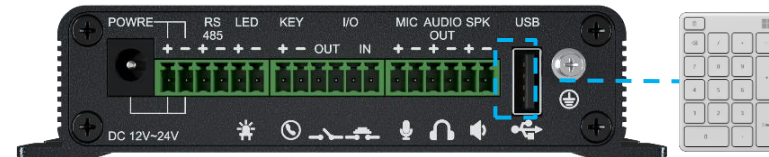# DPA (continue)

- Feature A

the synchronization of voice and video
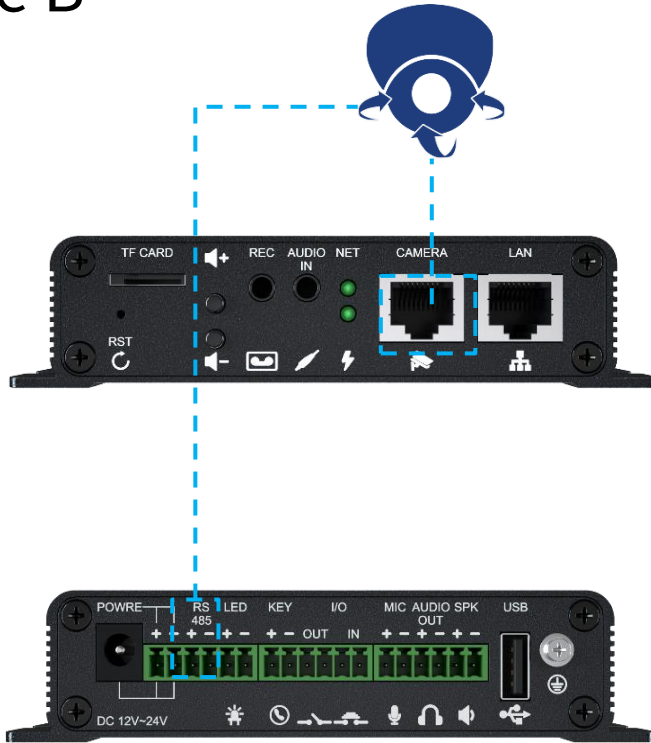
Multiple storage path: USB and SD Card

Support 4G SIM to Access Internet

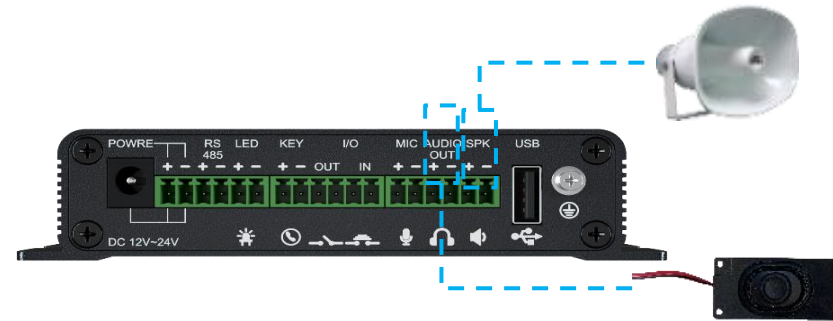Support USB keyboard

DPA (continue)

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- Feature B

DTMF control PTZ camera
1: Camera connect DPA interface "CAMERA"
2: Camera connect DPA interface "RS485"

Intercom: low power speaker connect to interface (AUDIO OUT)
Broadcast: high power speaker connect to interface (SPK)

Local off-line broadcast：Once DPA off-line，connect to MIC interface, it can broadcast by speaker by interface "SPK"

Contents

SIP Intercom Network And Application

03

DINSTAR

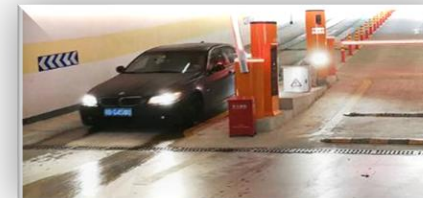# SIP Intercom Application Scenarios

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- Scenario

Expressway

Manufacturing

underground Pipe

Unattended Parking

School

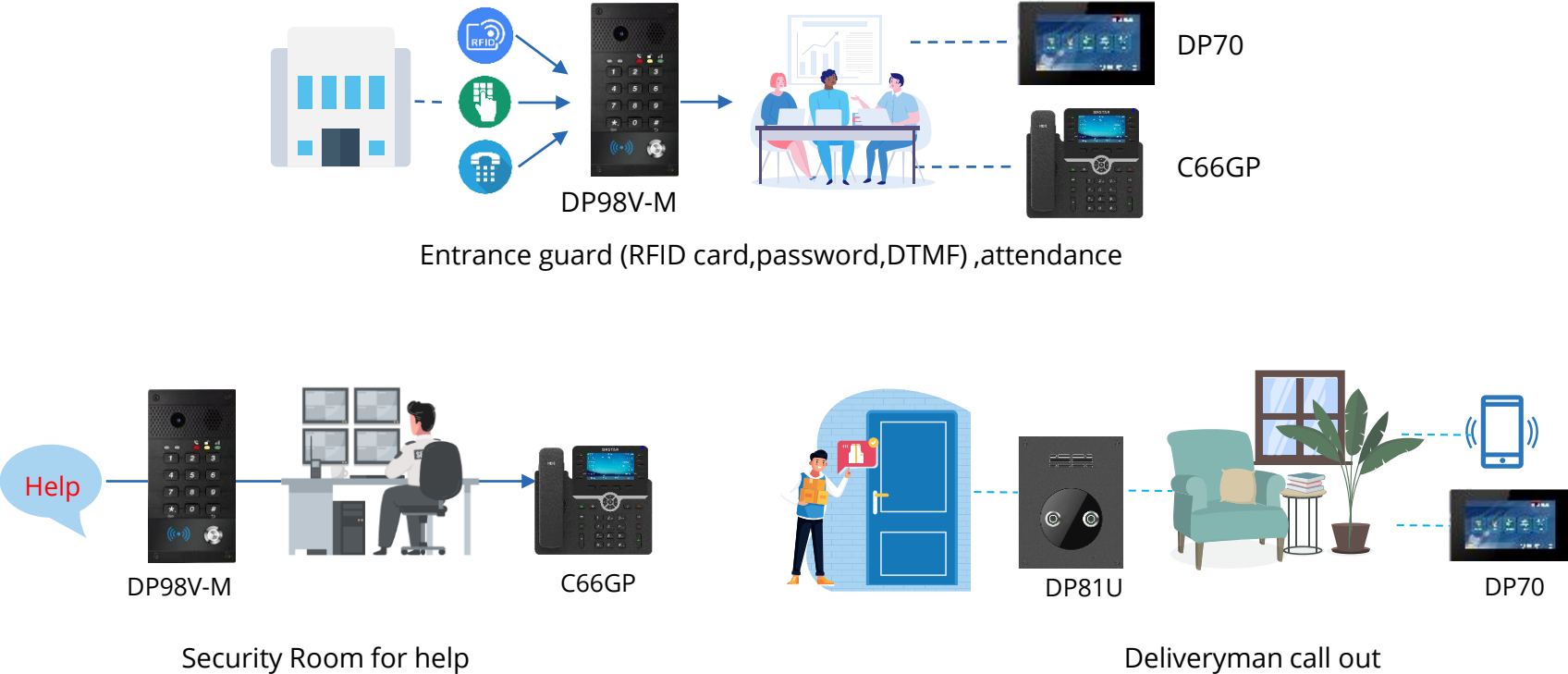Lift

Old-aged

Park-distrit Broadcast

Entrance guard

ATM

Classroom

Intelligent City

Building & Apartment

DP70

C66GP

DP98V-M

Entrance guard (RFID card,password,DTMF) ,attendance

Help

DP98V-M

C66GP

Security Room for help

DP81U

DP70

Deliveryman call out

School

DINSTAR
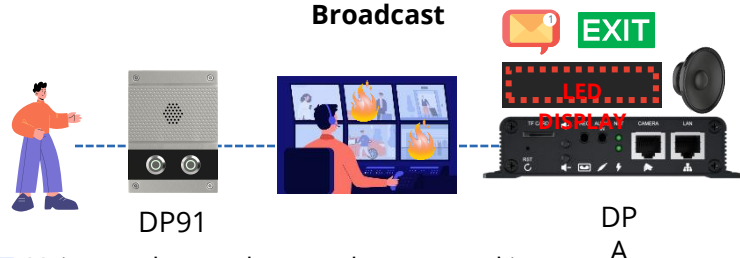
Multiple Schedule

DP
A

- ☐ 24-hour automatic ringtone
- ☐ radio play
- ☐ each area of the school plays different ringtone radio independently, without interference
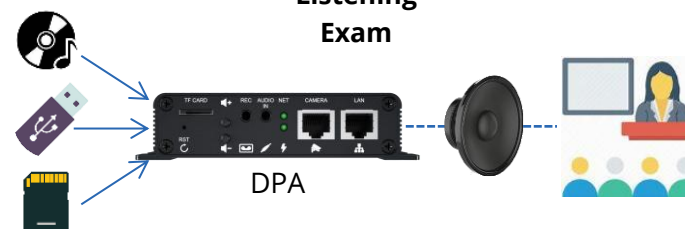
Teaching Evaluation

DP
A

- ☐ DPA built-in recording output, can be connected to external listening headphones
- ☐ classroom assessment

Video Inform Broadcast
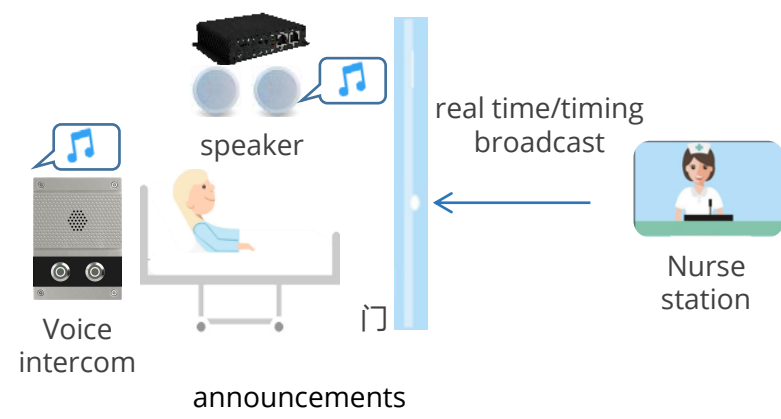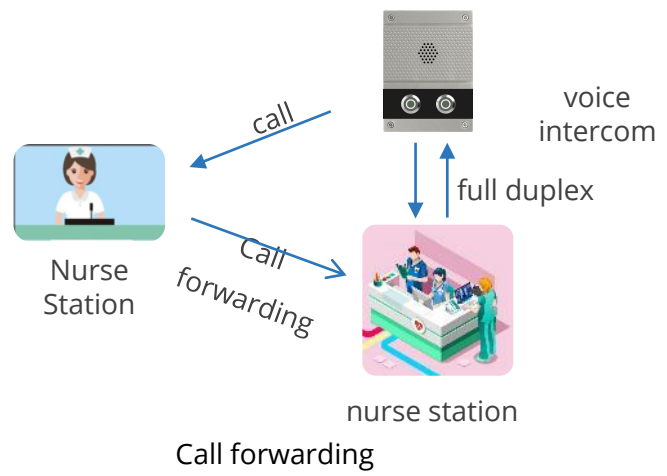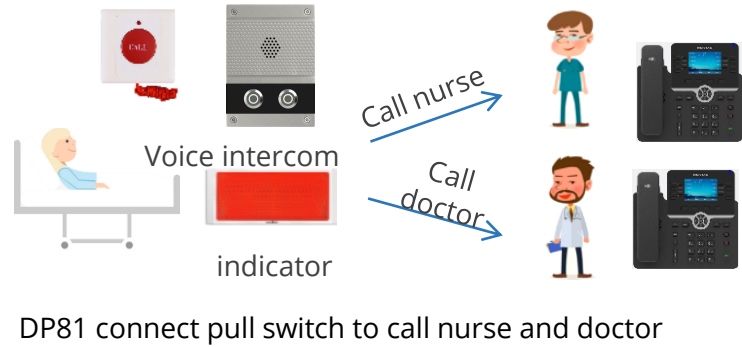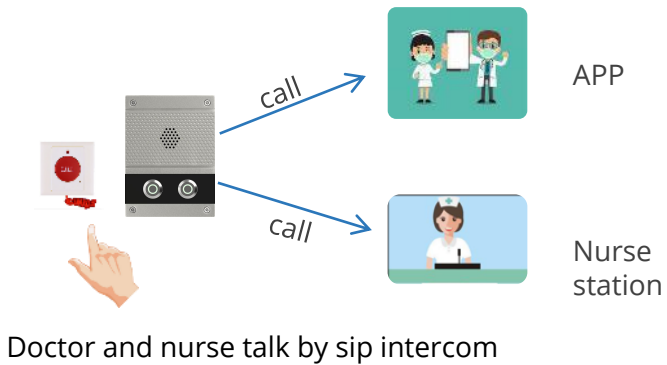
EXIT

LED
DISPLAY

DP91

DP
A

- ☐ Voice can be synchronously converted into text,
- ☐ in the event of an emergency, the converted text can be displayed on the LED display in real time
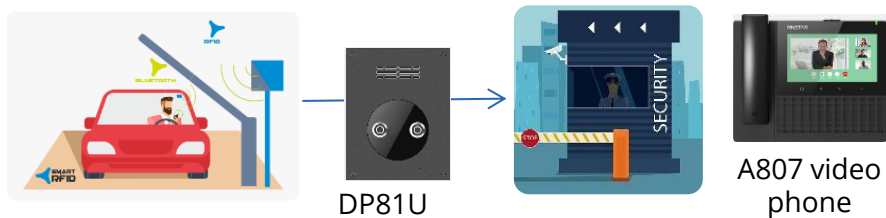
Listening Exam

DPA

- ☐ Each classroom is equipped with an independent DPA device,
- ☐ Teacher or teaching administration can easily control the school listening test remotely.
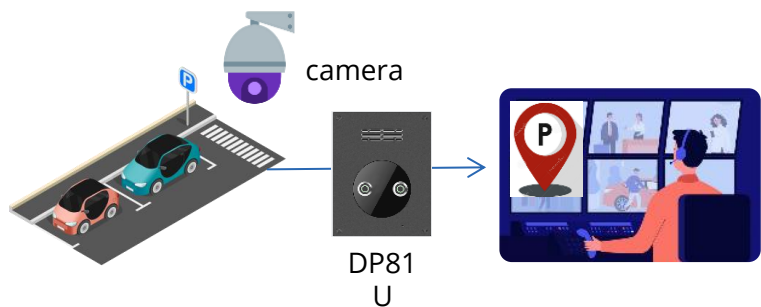
Hospital

call — APP

call — Nurse station

Doctor and nurse talk by sip intercom

Voice intercom

indicator

Call nurse

Call doctor

DP81 connect pull switch to call nurse and doctor

voice intercom

call

full duplex

Call forwarding

Nurse Station

nurse station

Call forwarding

speaker

real time/timing broadcast

Voice intercom

Nurse station

announcements

Parking

When the parking boom fails, the driver can call for help with one click

DP81U

A807 video phone

camera

DP81U

Drivers contact service stations when looking for parking

camera

A807 video phone

full duplex

DP91

A807 video phone

call forwarding

Manufacture

smoke detector

DPA   A810
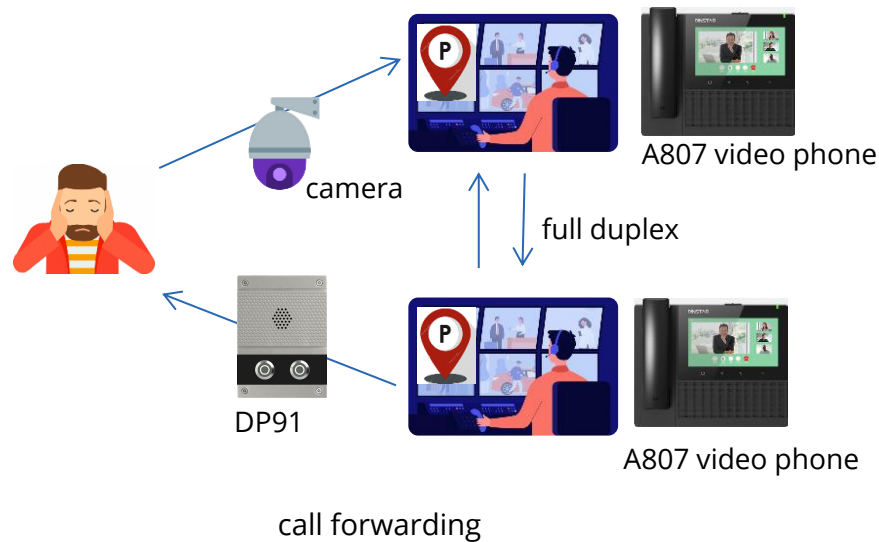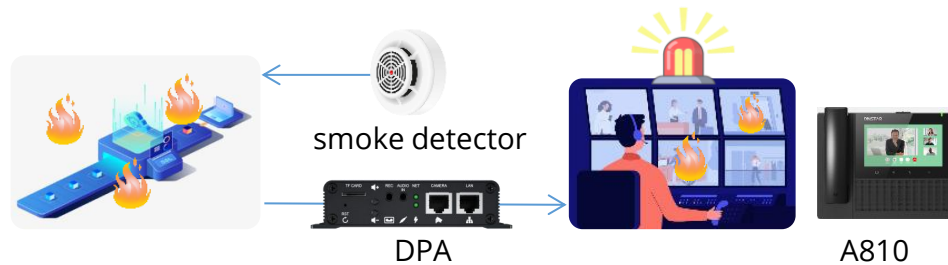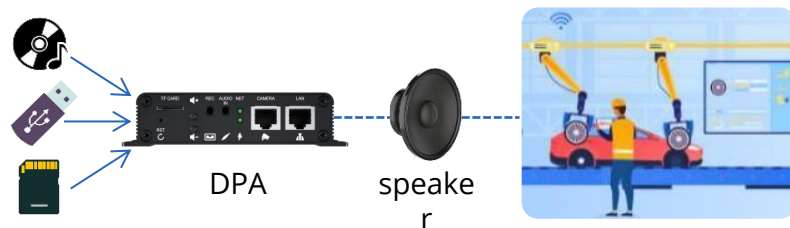
In the event of an emergency in the unattended workshop, smoke detection triggers an alarm and automatically calls the management room.

DPA   speaker

Regular announcements are made to inform factory staff about their commute and meals

DPA   speaker

Regular background broadcast to remind workers of operation precautions

DP83U video intercom   A807

The operator can call the technical engineer to discuss the problem with one click

Summary

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- This course we already learn:

  - What is SIP Intercom

  - Dinstar SIP Intercom product knowledge

  - Dinstar SIP Intercom application scenario

THANKS

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