

# CPL

## Intercom System

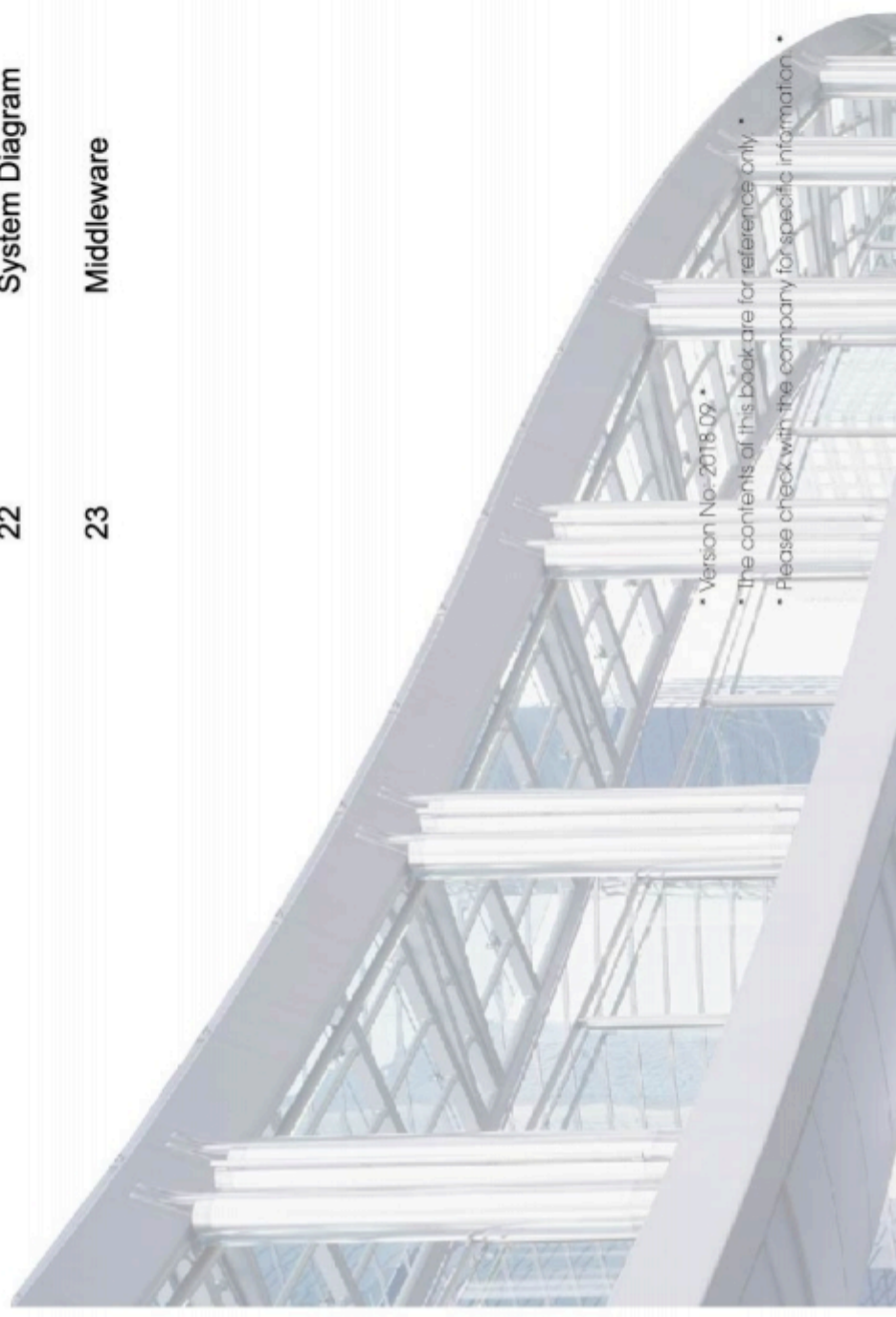
# Contents

01	About CPL
04	Indoor Station
11	Outdoor Station
19	Guard Station
20	Two-wire Digital Kit
21	CPLVK405 Villa Kit
22	System Diagram
23	Middleware

• Version No- 2018.09 •

• the contents of this book are for reference only •

• Please check with the company for specific information •

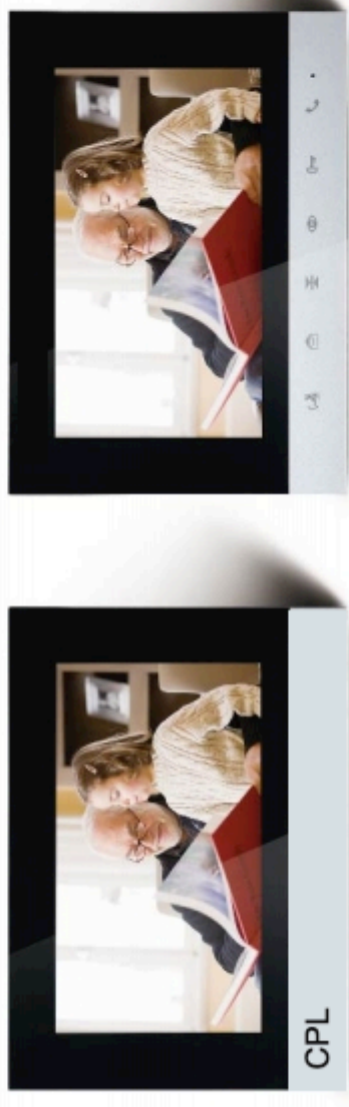


# About CPL



CPL Technology Co., Ltd is a professional equipment supplier for the total solution of Smart Community and Smart Home since 1992. Based on cutting-edge technology, we integrate a series of products including CPL Intercom System, Smart Home System, Video Surveillance System, Intelligent Parking Management System, etc. We provide our customer with total solutions of Smart Community and Smart Home.

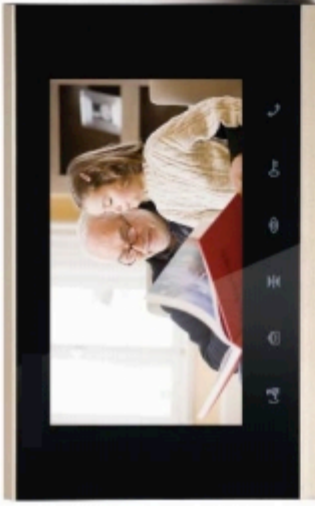
# Indoor Station



 CPLOS26  
Touch Screen

Features:		Technical Parameters:												
Ultra-thin design: 15.9mm	Vandal-resistant Alarm	Screen Clean function	Lift-control function	Remote unlock function	Video Intercom, Screenshots record	House to house Intercom, Blacklist Management	Don't disturb Mode	Voice Message Function	Receive message from Property Center	Call Center and SOS	Defence Area Management, anti-hijacked alarm function	Support normal power supply and SPOE		
Working Voltage: DC12-24V±10% (SPoE support)	Max Power Consumption: ≤5.5W	Standby Power Consumption: ≤1.7W	Working Current: ≤300mA	Network: 10M/100M Auto-Negotiation	Audio SNR: ≥25dB	Audio Distortion: ≤10%	Display: 7-inch TFT LCD	Panel Material: PMMA	Resolution: 800*480	Working Temp: -20℃ to 55℃	Operation: Capacitive Touch/Capacitive Pushbutton	Installation: Surface Mounting	Dimension(mm): 200*140*15.9	Color: Black+Silver/Black only





## Touch Screen

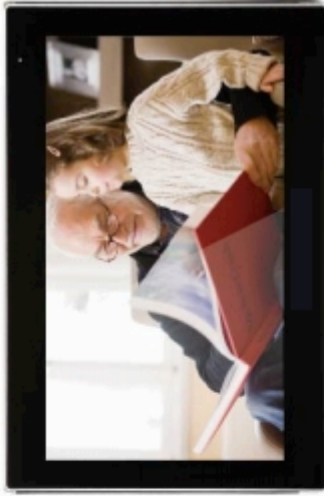
Features:	Technical Parameters:
Ultra-thin design: 15.9mm	Working Voltage: DC12-24V±10% (SPoE support)
Vandal-resistant Alarm	Max Power Consumption: ≤5.5W
Screen Clean function	Standby Power Consumption: ≤1.7W
Lift-control function	Working Current: ≤300mA
Remote unlock function	Network: 10M/100M Auto-Negotiation
Video Intercom, Screenshots record	Audio SNR: ≥25dB
House to house Intercom, Blacklist Management	Audio Distortion: ≤10%
Don't disturb Mode	Display: 7-inch TFT LCD
Voice Message Function	Panel Material: PMMA
Receive message from Property Center	Resolution: 800*480
Call Center and SOS	Working Temp: -20℃ to 55℃
Defence Area Management, anti-hijacked alarm function	Operation: Capacitive Touch/Capacitive Pushbutton
Support normal power supply and SPoE	Installation: Surface Mounting
	Dimension(mm): 200*140*15.9
	Color: Black+Gold



## CPLIMV53

## Touch Button

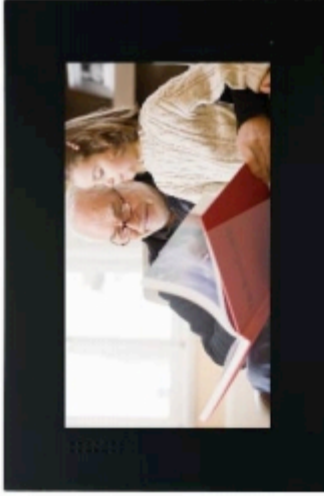
Features:	Technical Parameters:
Ultra-thin design: 15.9mm	Working Voltage: DC12-24V±10% (SPoE support)
Lift-control function	Max Power Consumption: ≤5.5W
Remote unlock function	Standby Power Consumption: ≤1.7W
Video Intercom, Screenshots record	Working Current: ≤300mA
House to house Intercom, Blacklist Management	Network: 10M/100M Auto-Negotiation
Don't disturb Mode	Audio SNR: ≥25dB
Voice Message Function	Audio Distortion: ≤10%
Receive message from Property Center	Display: 4.3-inch TFT LCD
Call Center and SOS	Panel Material: PMMA
Defence Area Management, anti-hijacked alarm function	Resolution: 480*272
Support normal power supply and SPoE	Working Temp: -20℃ to 55℃
	Operation: Capacitive Pushbutton
	Installation: Surface Mounting
	Dimension(mm): 175*114*15.9
	Color: Black+Gold



CPLIMV59

## Touch Screen

Features:	Technical Parameters:
House to House Intercom	Working Voltage: DC12-24V ±10%(SPoE support)
Community Information	Max Power Consumption: ≤4W
Video Intercom	Standby Power Consumption: ≤1.6W
Video Surveillance	IP Grade: IP30
Emergency Help	Network: 10M/100M Auto-Negotiation
Security Alarm	Audio SNR: ≥25dB
Call Center	Audio Distortion: ≤10%
Don't disturb mode	LCD: 10.1-inch
Lift-control Function	Resolution: 1024*600
Secondary Doorbell	Touch Screen
Cloud Intercom Function	Working Temp: -25 C to 55 C
Anti-hijacked Alarm Function	Operation: Capacitance Touch
	Panel Material: PMMA
	Installation: 86 box installation, hanger plate (Magnetic bond method)
	Dimension(mm): 255*170*15
	Color: Black+Silver,Champaign Gold
	Power Supply Mode: 1.Support common power supply mode; 2.Support SPoE Power Supply



CPLIMV59S

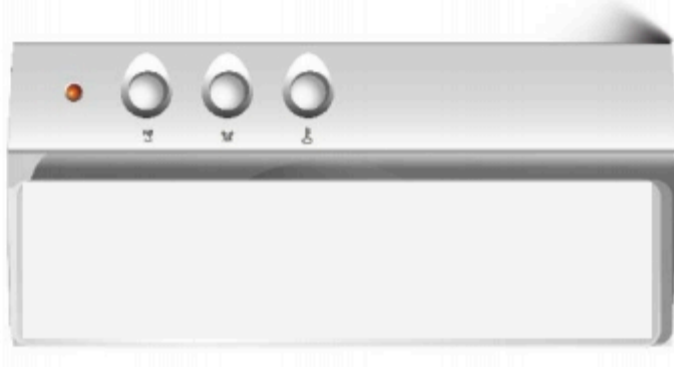
## Touch Screen

Features:	Technical Parameters:
House to House Intercom	Working Voltage: DC12-24V ±10%(SPoE support)
Community Information	Max Power Consumption: ≤4W
Video Intercom	Standby Power Consumption: ≤1.6W
Video Surveillance	IP Grade: IP30
Emergency Help	Network: 10M/100M Auto-Negotiation
Security Alarm	Audio SNR: ≥25dB
Call Center	Audio Distortion: ≤10%
Don't disturb Mode	LCD: 10.1-inch
Lift-control Function	Resolution: 1024*600
Secondary Doorbell	Working Temp: -25 C~55 C
Cloud Intercom Function	Operation: Capacitance Touch
Anti-hijacked Alarm Function	Panel Material: PMMA
	Installation: Embedded Box Installation, middle frame (Magnetic bond method)
	Dimension(mm): 300*200*21
	Color: Black
	Power Supply Mode: 1.Support common power supply mode;2.Support SPoE Power Supply



### Touch Button / Touch Screen

Features:	Technical Parameters:
Vandal-resistant Alarm	Working Voltage: DC12-24V ±10%(SPoE support)
Lift-control function	Max Power Consumption: ≤9W
Remote unlock function	Standby Power Consumption: ≤3W
Video Intercom, Screenshots record	Working Current: ≤500mA
House to house Intercom, Blacklist Management	Network: 10M/100M Auto-Negotiation
Don't disturb Mode	Audio SNR: ≥25dB
Voice Message Function	Audio Distortion: ≤10%
Receive message from Property Center	Display: 7-inch TFT LCD
Call Center and SOS	Panel Material: PMMA
Defence Area Management, anti-hijacked alarm function	Resolution: 800*480
Support normal power supply and SPoE	Working Temp: -25 ℃ to 55 ℃
	Operation: Capacitive Touch/Capacitive Pushbutton
	Installation: Surface Mounting
	Dimension(mm): 238*138*15.9
	Color: Black/White



Features:	Technical Parameters:
Audio Interco	Working Voltage:DC12-24V ±10%(SPoE Support)
Security Alarm	MaxPower Consumption:≤1.5W
Call Center	Standby Power Consumption:1.1W
Don't Disturb Mode	Network:10M/100M Auto-Negotiation
Emergency Help	Panel Material:ABS
Anti-dismantle alarm	Dimension(mm):198*98.5*52
Secondary Doorbell	Color:White
	Operation:Mechanical Button;
	Answer with handle
	Installation:86box installation or fixed by screws

# Outdoor Station



**CPLOU90**

Outdoor Station

**CPLOU100**

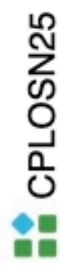
Outdoor Station



Features:	Technical Parameters:
Vandal-resistant Alarm	Working Voltage: DC12-24V ±10%(SPoE Support)
Call Center	Max Power Consumption: ≤4W
Access Control	Standby Power Consumption: ≤2.5W
Lift Control	Working Current: ≤250mA
Light Compensation at Night	IP Grade: IP54
External Sensing Head for Swiping Card	IC-card support
Swiping card or Password to Unlock	Capacity of Cards: ≤30,000 pcs
Video Intercom and Remote Unlock	Network: 10M/100M Auto-Negotiation
Anti-hijacked alarm function	Camera: 2 million pixels, 0.1 Lux
Message or photo leaving Function	Horizontal Viewing Angles: 75°
Magnetic Lock Support	Audio SNR: ≥25dB
Extendable Bluetooth Unlocking Function	Audio Distortion: ≤10%
Support SPoE Power Supply	Panel Material: Alum Casting
	Working Temp: -40 C to 70 C
	Operation: Mechanical Pushbutton
	Installation on Gate or Wall
	Dimension(mm): 120*240*60.5
	Embedded Box Dim(mm):104*214*50
	Color: Iron Grey

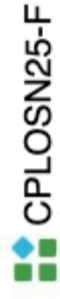
Features:	Technical Parameters:
Vandal-resistant Alarm	Working Voltage: DC12-24V ±10%(SPoE Support)
Call Center	Max Power Consumption: ≤8W
Access Control	Standby Power Consumption: ≤4W
Lift Control	Working Current: ≤250mA
Light Compensation at Night	IP Grade: IP54
Swiping card or Password to Unlock	IC-card support
Video Intercom and Remote Unlock	Capacity of Cards: ≤30,000 pcs
Anti-hijacked alarm function	Network: 10M/100M Auto-Negotiation
Message or photo leaving Function	Camera: 5 million pixels, 0.1 Lux
Magnetic Lock or Electric Lock Support	Horizontal Viewing Angles: 75°
Extendable Bluetooth Unlocking Function	Audio SNR: ≥25dB
Support Advertisement Play	Audio Distortion: ≤10%
	Display: 7-inch TFT LCD(A)/4.3-inch TFT LCD(L)
	Resolution: 1024*600(A)/480x272(L)
	Panel Material: Alum + Tempered Glass
	Working Temp: -40 C to 70 C
	Operation: Touch Screen/Capacitive Pushbutton/Mechanical Pushbutton
	Installation: Embedded/ Surface mounting
	Dimension(mm): 170*358*54
	Embedded Box Dim(mm):142*358*64
	Color: Alum Color





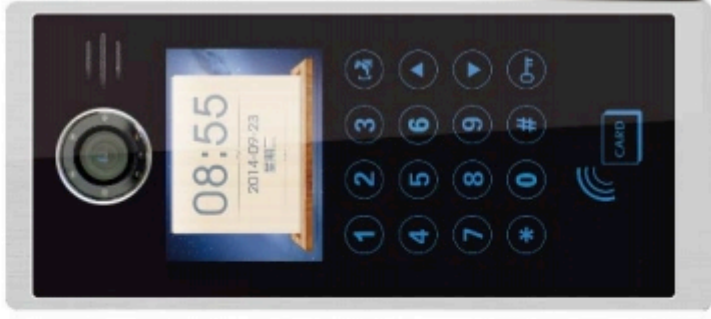
## Outdoor Station

Features:	Technical Parameters:
Vandal-resistant Alarm	Working Voltage: DC12-24V ±10%(SPoE Support)
Access Control	Max Power Consumption: ≤6W
Light Compensation at Night	Standby Power Consumption: ≤3W
Swiping card to Unlock	Working Current: ≤350mA
Video Intercom and Remote Unlock	IP Grade: IP54
Message or photo leaving Function	IC-card support
Magnetic Lock Support	Capacity of Cards: ≤30,000 pcs
SPoE support	Network: 10M/100M Auto-Negotiation
	Camera: 2 million pixels, 0.1 Lux
	Horizontal Viewing Angles: 75°
	Audio SNR: ≥25dB
	Audio Distortion: ≤10%
	Panel Material: Alum Casting/Alum +Tempered Glass
	Working Temp: -40 °C to 70 °C
	Operation: Mechanical Pushbutton
	Installation: Embedded/ Surface-Mounting
	Dimension(mm): 79*148*45
	Color: Silery Grey



## Outdoor Station

Features:	Technical Parameters:
Vandal-resistant Alarm	Working Voltage: DC12-24V ±10%(SPoE Support)
Access Control	Max Power Consumption: ≤6W
Light Compensation at Night	Standby Power Consumption: ≤3W
Swiping card to Unlock	Working Current: ≤350mA
Video Intercom and Remote Unlock	IP Grade: IP54
Message or photo leaving Function	IC-card support
Magnetic Lock Support	Capacity of Cards: ≤30,000 pcs
SPoE support	Network: 10M/100M Auto-Negotiation
	Camera: 2 million pixels, 0.1 Lux
	Horizontal Viewing Angles: 75°
	Audio SNR: ≥25dB
	Audio Distortion: ≤10%
	Panel Material: Alum Casting/Alum + Tempered Glass
	Working Temp: -40 °C to 70 °C
	Operation: Mechanical Pushbutton
	Installation: Embedded/ Surface-Mounting
	Dimension(mm): 93*168*32
	Embedded Box Dim(mm):75*150*50
	Color: Black/Black+Brown

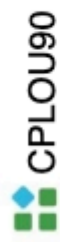


## Outdoor Station

## Outdoor Station

Features:	Technical Parameters:
Vandal-resistant Alarm	Working Voltage: DC12-24V ±10%(SPoE Support)
Call Center	Max Power Consumption: ≤8W
Access Control	Standby Power Consumption: ≤4W
Lift Control	Working Current: ≤450mA
Light Compensation at Night	IP Grade: IP54
Swiping card or Password to Unlock	IC-card support
Video Intercom and Remote Unlock	Capacity of Cards: ≤30,000 pcs
Anti-hijacked alarm function	Network: 10M/100M Auto-Negotiation
Message or photo leaving Function	Camera: 5 million pixels, 0.1 Lux
Magnetic Lock or Electric Lock Support	Horizontal Viewing Angles: 75°
Support Advertisement Play	Audio SNR: ≥25dB
	Audio Distortion: ≤10%
	Display: 5-inch TFT LCD
	Resolution: 480x272
	Panel Material: Alum + Tempered Glass
	Working Temp: -40 C. to 70 C
	Operation: Touch Button
	Installation: Embedded/ Iron Gate
	Dimension(mm): 170*386*54
	Embedded Box Dim(mm):142*358*64
	Color: Black / Black + Silver

Features:	Technical Parameters:
Vandal-resistant Alarm	Working Voltage: DC12-24V ±10%(SPoE Support)
Call Center	Max Power Consumption: ≤10W
Access Control	Standby Power Consumption: ≤4W
Lift Control	Working Current: ≤600mA
Light Compensation at Night	IP Grade: IP54
Swiping card or Password to Unlock	IC-card support
Video Intercom and Remote Unlock	Capacity of Cards: ≤30,000 pcs
Anti-hijacked alarm function	Network: 10M/100M Auto-Negotiation
Message or photo leaving Function	Camera: 2 million pixels, 0.1 Lux
Magnetic Lock Support	Horizontal Viewing Angles: 75°
Support Advertisement Play	Audio SNR: ≥25dB
Two-Dimension Code & Face Identification Function	Audio Distortion: ≤10%
	Display: 7-inch HD Touch Screen
	Resolution: 1024x600
	Panel Material: Alum + Tempered Glass
	Working Temp: -40 C. to 70 C
	Operation: Touch Screen
	Installation: Embedded/ Surface-Mounting
	Dimension(mm): 236*316*46
	Embedded Box Dim(mm):217*281*56.5
	Color: Champagne Gold



## Outdoor Station

Features:	Technical Parameters:
Vandal-resistant Alarm	Working Voltage: DC12-24V ±10%(SPoE Support)
Call Center	Max Power Consumption: ≤6W
Access Control	Standby Power Consumption: ≤3W
Lift Control	Working Current: ≤350mA
Light Compensation at Night	IP Grade: IP54
Swiping card or Password to Unlock	IC-card support
Video Intercom and Remote Unlock	Capacity of Cards: ≤30,000 pcs
Anti-hijacked alarm function	Network: 10M/100M Auto-Negotiation
Message or photo leaving Function	Camera: 2 million pixels, 0.1 Lux
Magnetic Lock Support	Horizontal Viewing Angles: 75°
Support Advertisement Play	Audio SNR: ≥25dB
Two-Dimension Code & Face Identification Function	Audio Distortion: ≤10%
	Display: 4.3-inch TFT LCD
	Resolution: 480x272
	Panel Material: Alum +Tempered Glass
	Working Temp: -40 C. to 70 C.
	Operation: Touch Key-press
	Installation: Embedded/ Surface-Mounting
	Dimension(mm): 370*140*55
	Embedded Box Dim(mm):348*123*52
	Color: Gold



## Outdoor Station

Features:	Technical Parameters:
Large-size & High-resolution Screen	Working Voltage: DC12-24V ±10%(SPoE Support)
2-million-megapixel Camera	Max Power Consumption: ≤6W
Light Compensation at Night	Standby Power Consumption: ≤3W
Extended SD Card Support	IP Grade: IP55
Video Intercom Function	Network: 10M/100M Auto-Negotiation
Face Recognition function	Audio SNR: ≥25dB
Touch ID	Audio Distortion: ≤10%
Support IC card, CPU card to open the door	Resolution: 1280*800
Password Opening Support	Card Type: IC Card、CPU Card
Support Bluetooth to open the door	Working Temp: -25 C~55 C
Card linkage information display Support	Operation: Capacitance Touch
Support Advertisement Play	Panel Material: Aluminum
Monitor the body's proximity function	Installation: Embedded Mode
	Dimension(mm): 299*380*51
	Embedded Box Dim(mm):276*353*60
	Color: Gold、Silver
	Camera: 2 million colors + 1.3 million Infrareds

# Guard Station

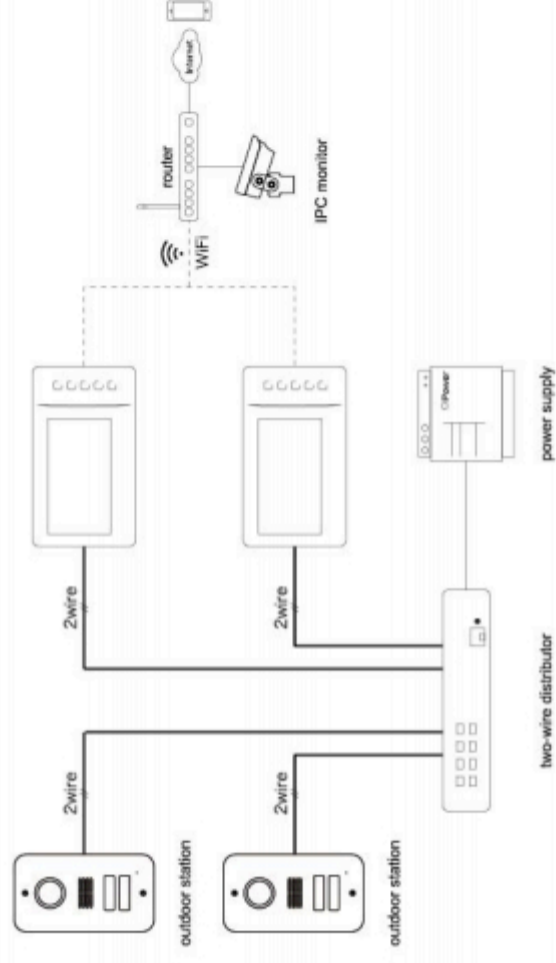


# Two-wire Villa Kit

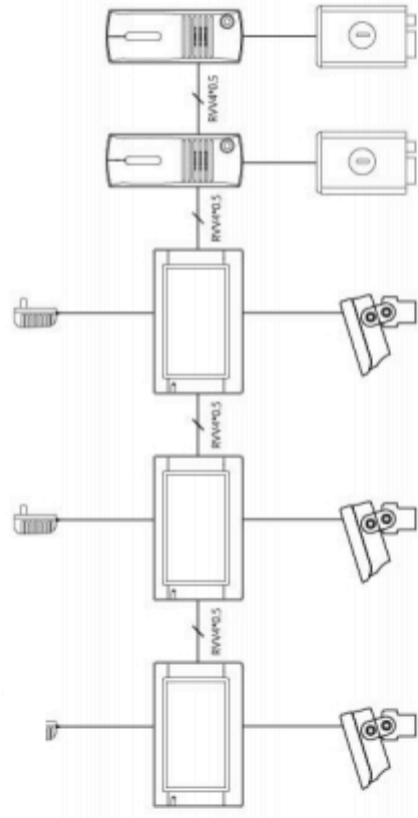
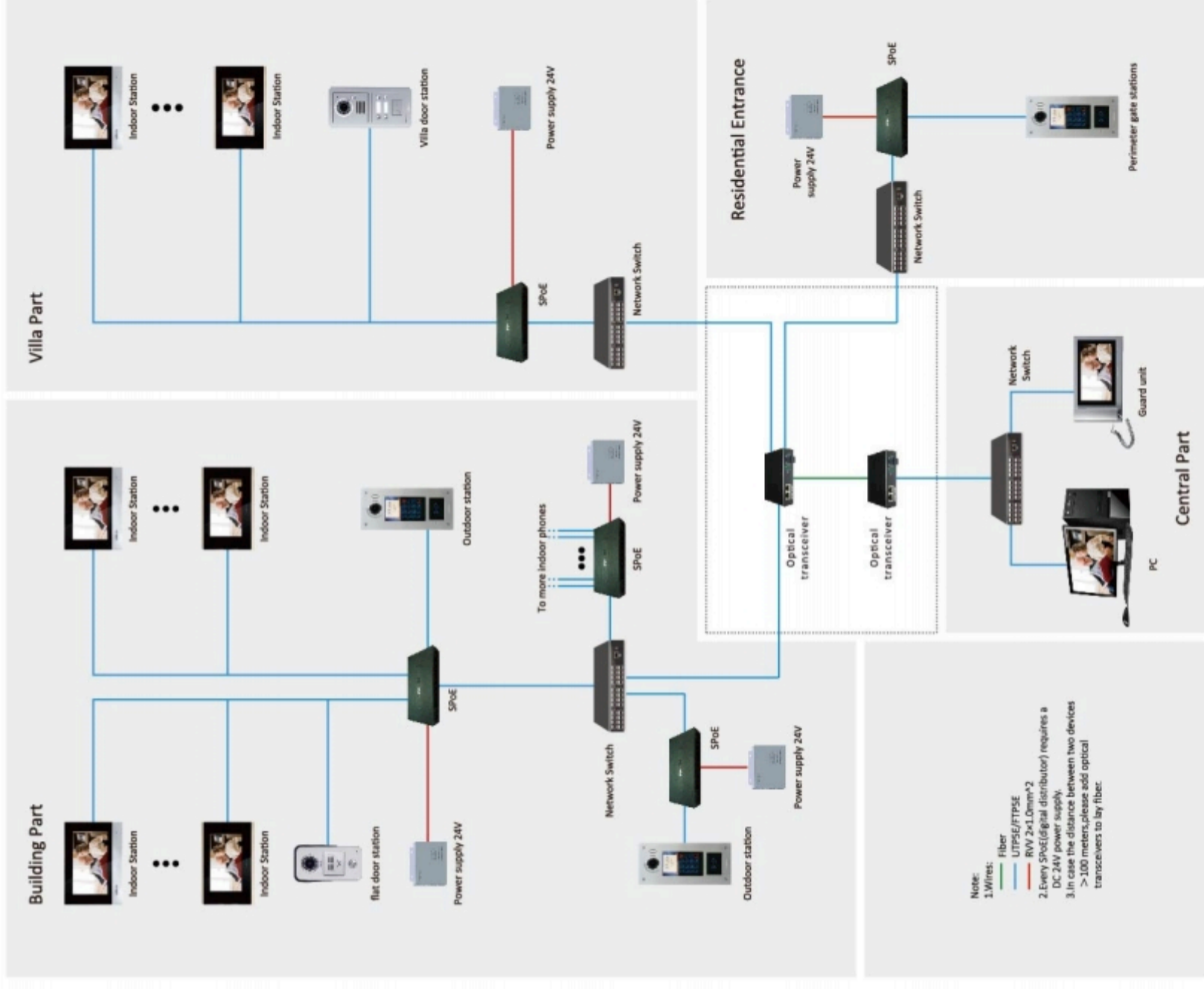


## CPLIU70 Guard Station

Features:	Technical Parameters:
Guard Settings	Working Voltage: DC12-24V ±10%(SPoE support)
Unlock Password Settings	Max Power Consumption: ≤8W
Video Intercom	Standby Power Consumption: ≤3W
Video Surveillance	IP Grade: IP30
Recourse Record	Network: 10M/100M Auto-Negotiation
Alarm Record	Audio SNR: ≥25dB
Intercom Record	Audio Distortion: ≤10%
Transfer Function	LCD: 10.1-Inch
Lift-control Function	Resolution: 1280*800
Local Camera	Touch Screen
	Working Temp: -25°C ~55°C
	Operation: Capacitance Touch
	Panel Material: Aluminum Panel
	Installation: Desktop installation/embedded installation
	Dimension(mm): 34*336*210
	Color: Aluminum color
	Power Supply Mode: ①Support common power supply mode②Support SPoE Power Supply
	Camera: 1.3 million Color digital camera



# System Diagram



## CPLK96E Video Door Phone Kit for Villa

### Features

- The series is available with Calling Transfer between Indoor Monitors.
- Talk Volume & Ringing Volume can be adjusted independently.
- Ringing Volume can be mute.
- Easy Surface Mount Installation.

# Middleware

## Digital Network Distributor

### Features:

Provides the network access port, carries on the network data packing and forwarding;  
Switchable SPOE mode, LAN grouping mode, normal mode;

### Technical Parameters:

Working Voltage: DC18-24V±10%  
Standby Power Consumption: 0.5W  
IP Grade: IP30  
Capacity: 8 access port  
Network: 10M/100M Auto-Negotiation  
Access Port: RJ45  
Working Temp: -25°C to 70°C  
Installation: Surface-Mounting  
Dimension(mm): 200\*95\*30  
Color: Iron Grey



## Digital Access Controller

### Features:

External reading head, Signal Lock, Open-door Button, Fire Alarm Button;  
Can be accessed to 4 gates and 8 reading heads;

### Technical Parameters:

Working Voltage: DC12-24V±10%  
Max Power Consumption: 2W  
Standby Power Consumption: 1W  
IP Grade: IP30  
Capacity: 30,000 pcs IC Card  
Access Port: RJ45/ RS485/ Fire Alarm  
Working Temp: -40°C to 70°C  
Installation: Surface-Mounting  
Dimension(mm): 200\*95\*30  
Color: Iron Grey



## Digital Elevator Controller

### Features:

Can be docked with third-party elevator control protocol for elevator control;  
Can be docked with dry contact controller to provide the switch signal;

### Technical Parameters:

Working Voltage: DC12-24V±10%  
Max Power Consumption: 2.5W  
Standby Power Consumption: 1W  
IP Grade: IP30  
Card Type: IC Card  
Capacity: 10,000 pcs IC Card  
Access Port: RJ45/ RS485  
Working Temp: -40°C to 70°C  
Installation: Surface-Mounting  
Dimension(mm): 200\*95\*30  
Color: Iron Grey



## Dry Contact Elevator Controller

### Features:

Can be linked with the digital elevator controller for elevator control

### Technical Parameters:

Working Voltage: DC12-24V±10%  
Max Power Consumption: 2W  
Standby Power Consumption: 1W  
IP Grade: IP30  
Capacity: 16 Floor  
Access Port: RS485  
Working Temp: -40°C to 70°C  
Installation: Surface-Mounting  
Dimension(mm): 200\*140\*41.5  
Color: Iron Grey



## Access Control Read Head

### Technical Parameters:

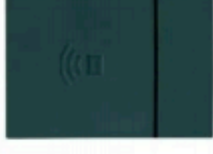
Working Voltage: DC12-24V±10%  
Max Power Consumption: 0.8W  
Standby Power Consumption: 0.77W  
Card Type: IC Card  
IP Grade: IP54  
Access Port: RS485/ Fire Alarm Port  
Working Temp: -40°C to 70°C  
Installation: Surface-Mounting  
Dimension(mm): 120\*86\*19.5  
Color: Iron Grey



## Elevator Control Read Head

### Technical Parameters:

Working Voltage: DC12-24V±10%  
Max Power Consumption: 0.8W  
Standby Power Consumption: 0.77W  
Card Type: IC Card  
IP Grade: IP54  
Access Port: RS485/ Fire Alarm Port  
Working Temp: -40°C to 70°C  
Installation: Surface-Mounting  
Dimension(mm): 120\*86\*19.5  
Color: Iron Grey



## Card Sender

### Technical Parameters:

Product Model: EH-MD-R11-001  
Rated Working Voltage: 5V  
Working Frequency: 13.56MHz  
Max Output Power Consumption: 0.82W  
Static Power Consumption: 0.66W  
Working Temp: -25°C-55°C  
Read-write distance: ≥2cm (depend on Cards)  
Card Type: IC Card, CPU Card  
Transmission Distance: Support max length of 3m  
Interface: Type A USB Interface  
IP Grade: IP30  
Dimension(mm): 148\*97\*35



## Power Supply 24V

### Technical Parameters:

Input Voltage: AC90~240V/50-60HZ  
Output Voltage: DC24V±4V  
Power: 60W  
Max Input Current: 0.36A  
Output Current: 2.5A  
Fuse: 3A  
IP Grade: IP30  
Installation: Surface-Mounting  
Working Temp: -40°C to 55°C  
Dimension(mm): 169\*61\*124

