IP-50MCR

IP Video Access Control Phone

General

Transtel's new IP Door Phone IP39-50MCR is a standalone SIP video outdoor phone. IP39-50MCR provides clear video and voice intercom and access control with Mifare Card. Develop with stylish exterior and modern design, IP39-50MCR has 4 x 4 light-sensor keypad. The new generation key pad technology is sensitive and can be used when wearing glove of all material, it works well during winter season. With IP65 waterproof and extraction detect alarm, IP39-50 can stand in bad weather and protect itself easily.

Main Features

- Ingress Protection: IP65
- Display: OLED, 16 x 2 characters
- Keypad: 4 x 4 light-sensor keypad (supports wearing gloves touch)
- Supports access control with RFID cards and Passwords
- Group Call
- Support Unit to Unit call

Functions

- 12 level microphone volume
- 12 level speaker volume
- Remote volume adjustment
- 2 separate relays
- Support 2 external switch buttons
- Auto answer for incoming calls
- No answer call forwarding
- Auto provisioning (Supports HTTP &HTTPS)
- Firmware upgrade and backup
- Day / Night call destinations
- Direct dialing to destination
- Door opening from remote extension

- Door status indication (Door open/close will show on the LCD)
- Multiple door access codes (Up to 999)
- Up to 999 member Phone-Book list
- Speed dial memory scrolling
- Network configuration: DHCP or Static
- Anti-Vandal Alarm (system will alert through indoor monitor)
- SIP server extension account
- Video Streaming (RTSP and HTTP)
- Video Recording through NVR
- Web GUI password protection
- Synchronization between Master-Slave device (up to 128)

Software and Protocol

Audio Specifications

	Voice Frequency	HD Range
	Conversation mode	Hands-Free Full Duplex
	VoIP Protocol	SIP RFC-3261; RTP; RTCP
	DTMF Presentation modes	RFC 2833; SIP Info
	Sip Transport	TCP, TLS, UDP

Codec

Audio	G.711 PCM a/u, G.722, G.729, GSM
Video	H.264, MJPEG, JPG
	VAD (Voice Activity Detection)
	CNG (Comfort Noise Generator)
Audio Quality	PLC (Packet Loss Concealment)
	AJB (Adaptive Jitter Buffer, up to 300ms)
QoS (Quality of Service)	RTP/UDP (ToS/Diffserv)
IP media features	AGC (Automatic Gain Control)
	G.168-2002 Compliant with programmable
Echo Cancellation	echo tail of up to 128 ms;
	Length: Up to 64 ms;
Media Encryption	SRTP, SHA1, SHA2

Network

Interface	Ethernet RJ-45 x 1, Auto MDI
NTP protocol support	YES
NAT Traversal and STUN support	YES
Syslog protocol support	YES

TCP/IP	YES
Web interface HTTPS supported	YES
ONVIF S/A/C Support	YES
Wiring Specification	
Connection Cable Length	< 100M (Ethernet)
Connection Cable Spec (Minimium)	Cat 5.

Electrical Characteristic

Power	
Power adapter (optional)	
Input	100-240VAC 50-60Hz
Output	12VDC / 1A
Inlet	PCB Connector Plug (for Bare Wire)
Integrated PoE	802.3af
Power Consumption	
Idle	4W
Maximum	7W
Relay / Sensor	2/2
Relay 1/2	Passive Output NO/NC; Max 2A /30 VDC
Sensor	Open loop impedance > 1K ohm Close loop impedance < 100 ohm

Camera Specification

Image Sensor	1/2.9" CMOS Image Sensor
Viewing Angle	D: 120, Night Mode
System / Resolution	HD 720P / 480P, Support CIF, QCIF
White Balance	Auto

RFID Specification

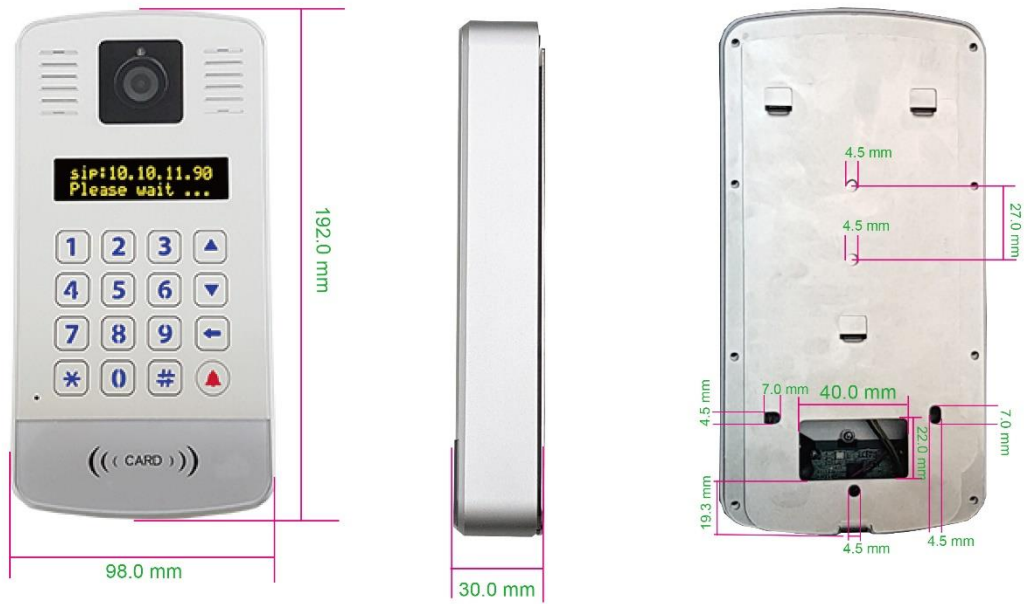|	
Reading Frequency	13.56 MHz
RFID Card Type	MIFARE Classic / MIFARE 1K / MIFARE 4K
Protocol Layers	ISO / IEC 14443 A
Algorithm	Fast Crypto1 security
Reading Distance	3 mm
RFID Card Capacity	10,000

Mechanical Specification

Body Material	Aluminum Alloy
IP LEVEL	IP65
Color	Silver
Mounting	Surface-mount
Dimension	193 x 98 x 30 mm
Weight	0.8 kg (net)

Environmental Specification

Max / Min. Temperature (operating)	-10º to 40º C
Max / Min. Temperature (storage)	-40 to 60º C
Humidity	0 to 90% relative (non-condensing)

Measures

Connector Description

CN2：Lens Module Power connector +12VDC

CN25：Lens Module contoller signal +12VDC

CN5：OLED Module

CN21：IR LED

CN23：SPK Connector

CN20：SPK Connector

CN9：MIC

CN27：KPU Connector

CN22：BLE(Reserve)

CN19：RFID Connector

CN3：LAN Port of lens module

CN28：RS485 Port

CN8：ICE (U7 Programming)

CN24：Lens Module USB

CN26：LAN Port

CN1：+12VDC IN

CN14：Sensor 1

CN15：Sensor 2

CN11：Relay 1

CN12：Relay 2

CN12：Jumper
PIN 1 & PIN 2 => Relay K2：Normal Open (Default)
PIN 2 & PIN 3 => Relay K2：Normal Close