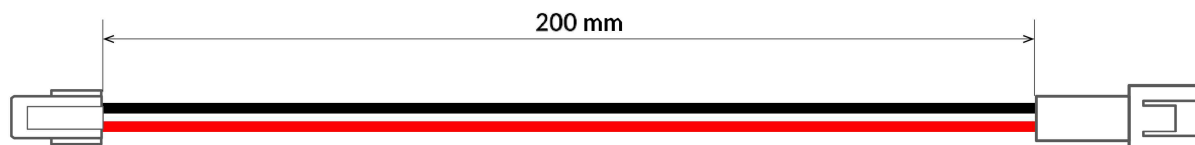


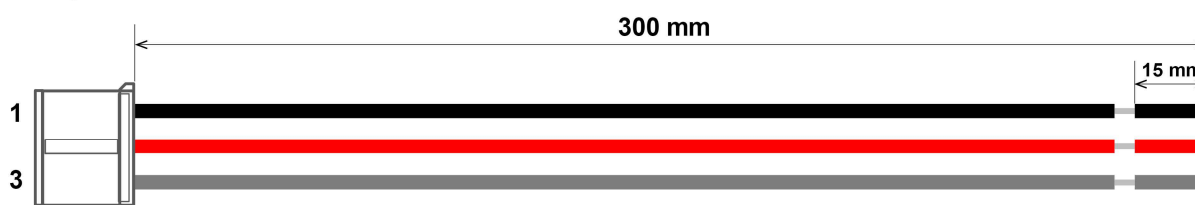
4.3. Cables and Connectors

Power



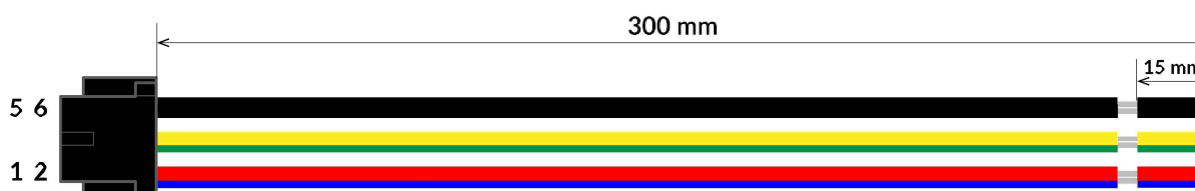
Wire Gauge: 20 AWG

Relay



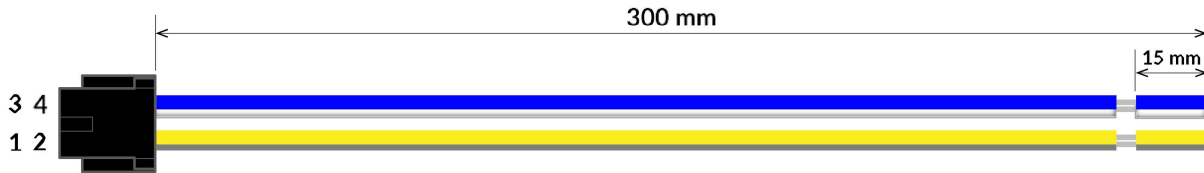
Pin	Name	Color	Wire Gauge	Note
1	Normally Open (NO)	Black	26 AWG	
2	Common (COM)	Red		
3	Normally Close (NC)	Gray		

GPI



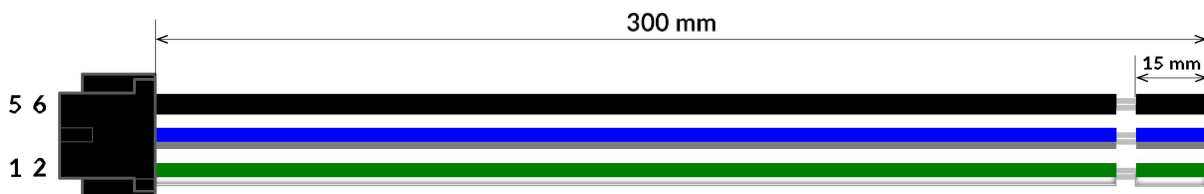
Pin	Name	Color	Wire Gauge	Note
1	GPI 1	Red	26 AWG	
2	GPI 2	Blue		
3	GPI 3	Yellow		
4	GPI 4	Green		
5	Ground (GND)	Black		
6	Ground (GND)	Black		

RS-485



Pin	Name	Color	Wire Gauge	Note
1	RS-485-1 DATA - (DM)	Yellow	26 AWG	
2	RS-485-1 DATA + (DP)	Gray		
3	RS-485-2 DATA - (DM)	Blue		
4	RS-485-2 DATA + (DP)	White		

Wiegand IN/OUT



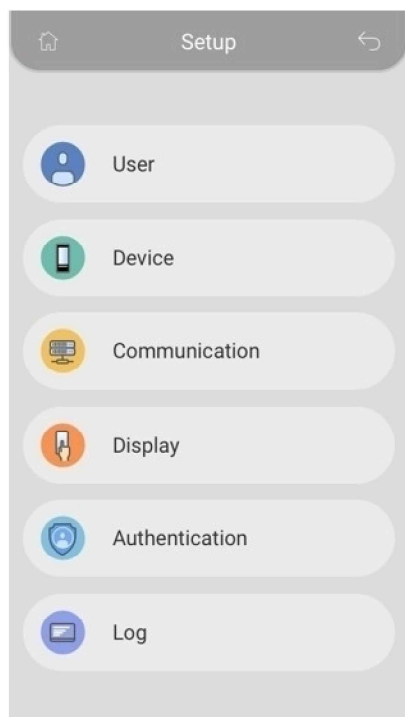
Pin	Name	Color	Wire Gauge	Note
1	IN DATA 0	Green	26 AWG	
2	IN DATA 1	White		
3	OUT DATA 0	Blue		
4	OUT DATA 1	Gray		
5	Ground (GND)	Black		
6	Ground (GND)	Black		

4.4. Environmental Specifications

Item	Description	Note
Temperature	Operating	-20 to 50°C (-4 to 122°F)
	Non-operating	-40 to 70°C (-40 to 158°F)
Humidity	Operating	10 to 90 % relative humidity, non-condensing
	Non-operating	10 to 90 % relative humidity, non-condensing

Appendix A: OSD Menu List

This appendix gives the details about advanced setting menus of FACE CAMERA device that appears when you press the [Menu icon](#)(☰) in the upper-left corner of the main screen.



A.1. Device

Name		Description
Sound	Speaker volume	Adjusts the speaker volume (0 — 10)
Date/Time	Time settings	Configures device date and time

Name		Description
Door	Relay	Select whether to use relay
	Open duration	Configures time duration for door open relay
	Use exit	Select a GPI port number connected to exit door button (Not used, GPI Port 0, GPI Port 1, GPI Port 2, GPI Port 3)
	Exit type	Select contact state of the GPI port that exit door button uses (NC, NO)
	Use sensor	Select a GPI port number connected to sensor (Not used, GPI Port 0, GPI Port 1, GPI Port 2, GPI Port 3)
	Sensor type	Select contact state of the GPI port that sensor uses (NC, NO)
	Use alarm	Select a GPI port number connected to alarm sensor (Not used, GPI Port 0, GPI Port 1, GPI Port 2, GPI Port 3)
	Alarm type	Select contact state of the GPI port that alarm sensor uses (NC, NO)
	Held open duration	Enter acceptable door held open period
	Use LS	Enable when using the lock sensor which is built in an EM lock system
Tamper	Mode	Select a tamper protection mode (Not used, Beep mode, Secure mode)



If you select **Secure mode**, all the data and settings are deleted permanently in device when a physical tampering is attempted.

Name		Description
Device info	Device ID	Shows the device ID
	Device name	Configures the device name
	Model	Shows the model name
	FW version	Shows the device firmware version
	APP version	Shows the application version
	MAC	Shows the MAC address
	S/N	Shows the serial number
	H/W version	Shows the hardware revision number
	IOMicom version	Shows the IO Micom revision number
	RFMicom version	Shows the RF Micom revision number
	Algo version	Shows the algorithm revision number
	EFIO version	Shows the EFIO revision number if connected
Database	User import	Imports the user database from connected USB drive
	User export	Exports the user database to connected USB drive
	Log import	Imports the log data from connected USB drive
	Log export	Exports the log data to connected USB drive
	Debug export	Exports the debug data to connected USB drive
Camera	Camera mode	Configures the power supply frequency of an electric light where the camera is used (50Hz, 60Hz)
	RGB framerate	Configures the framerate of RGB camera (15 fps, 30 fps)
Reset	Device reboot	Restarts device
	Factory reset	Resets all configuration settings and deletes all user data
	Reset all config	Sets all configuration settings to default
	Reset all users	Deletes all user data
Enroll guide	Use animation	Select whether to show a pictogram that helps users to enroll correctly for a short time before starting enrollment

Name		Description
LED signal	Green relay	Select the relay to activate when authentication is successful (Not used, EFIO Relay 1, EFIO Relay 2)
		 LED Signal causes the EF-IO relays to turn on a LED light connected to the relays upon authentication. It assumes you have the EF-IO unit connected to FACE CAMERA through RS-485.
	Green duration	Configure the duration for the green relay to be activated
	Red relay	Select the relay to activate when authentication is failed (Not used, EFIO Relay 1, EFIO Relay 2)
	Red duration	Configure the duration for the red relay to be activated
Field of View	Custom FOV	Configure horizontal field of view by swiping the left or right edge of the highlighted rectangular area on the camera preview screen.
		 Adjusting horizontal FOV can help the camera to focus on faces in a specific area and ignore irrelevant objects or people. This can enhance recognition accuracy and speed, especially in high-traffic environments with adjacent lanes or gates.
	Init	Reset the customized FOV to default

A.2. Communication

Name		Description
TCP/IP	User DHCP	Select whether to use DHCP
	IP	Shows the device's IP address
	Subnet	Shows the subnet mask
	Gateway	Shows the gateway address
	DNS 1	Shows the DNS #1
	DNS 2	Shows the DNS #2
Server	User server	Select whether to use server authentication
	Use manual command	Select whether to use the manual command functionality
		 Manual command allows for device control by using REST commands. It is an experimental function, not intended for general use.
	Authentication mode	Select a data modality in which the device communicates with the server (Not used, Image, Template)
	Server IP	Enter the server's IP address
	Port	Enter the server's port number
	Commute Uri	Enter server URI to receive T&A event logs from device
	Sync Uri	Enter server URI to receive T&A event logs backed up by device while server is offline
	Accept Uri	Enter server URI where device sends request to check periodically if server is online
Serial	RS485 ID	Enter device ID when its operating mode is SLAVE
	RS485 baudrate	Select a baud rate for RS485 communication
	RS485 function	Select a device type connected to RS485 (Not used, EFIO, OSDP)

Name		Description
Socket Server	User server	Select whether to use socket server authentication
	Use hostname	Select whether to use hostname for socket server connection
	Hostname	Enter the socket server's hostname when Use hostname is selected
	Server IP	Enter the socket server's IP address
	Port	Enter the socket server's port number
Diagnose	SSH port	Configure the port for SSH connection to device
	Ping test	Perform a ping test to check network connectivity in device. Type the target IP address and press OK to see the result.

A.3. Display

Name		Description
Language		Select a display language
Time display		Select time notation between 12-hour and 24-hour clock format (Not used, 12 Hours, 24 Hours)
Screensaver		Select whether to use screensaver (Not used, Screensaver, Burn-in prevention) • Screensaver: Shows a pre-set image when the device is in idle state • Burn-in prevention: Keeps shifting the on-screen location of the time and date to avoid static image burn-in on your LCD screen
Waiting Time		Select the time duration of inactivity before a screensaver starts
Menu Timeout		Select timeout for auto exit from menu display after leaving it untouched
Background type		Select a background type for the main screen

A.4. Authentication