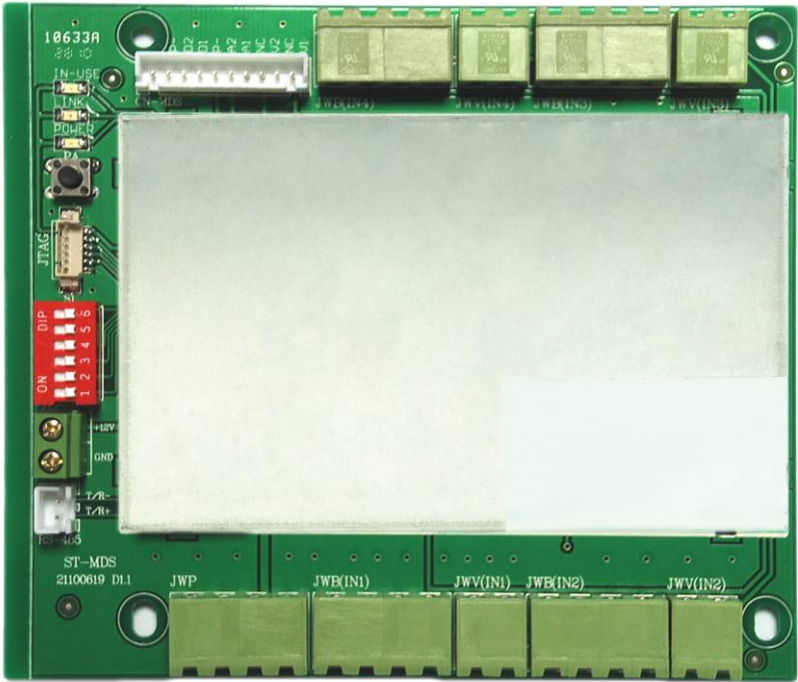


ST-MDS

Multi Door-station Switcher for ST System

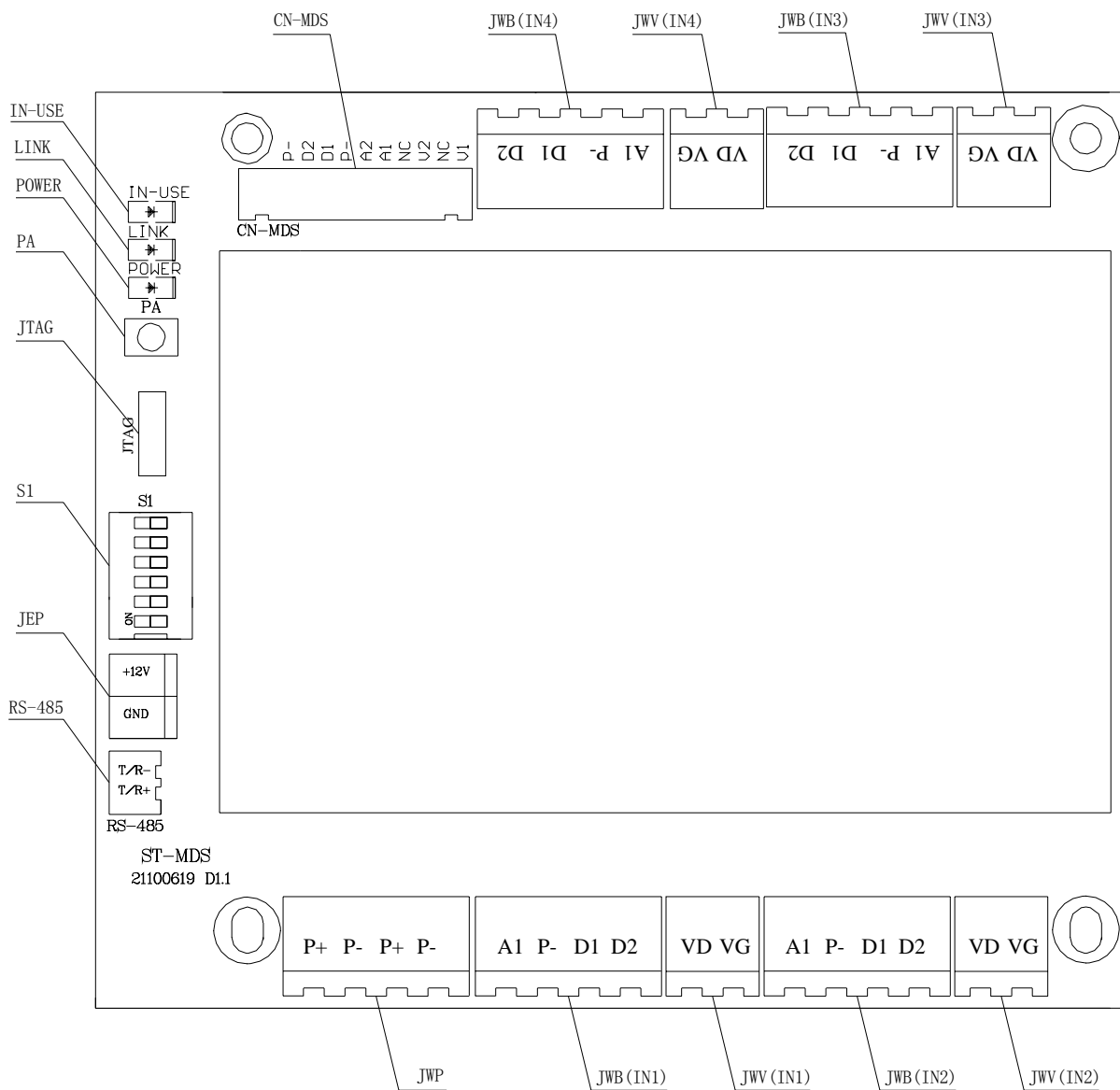
Product Picture



Description	Feature
<ul style="list-style-type: none"><li>● ST-MDS is used to connect multi-door stations.</li><li>● ST-MDS is used to switch audio and video of multi-door stations</li><li>● Up to 4 door station can be connected to a ST-MDS</li></ul>	<ul style="list-style-type: none"><li>● Switch audio of multi-door stations</li><li>● Switch video of multi-door stations</li><li>● Could use to connect CCTV for monitoring</li><li>● Supply DC12V for CCTV camera</li></ul>

## 1. Ports and Function

## 1.1 Ports:



## 1.2 Description:

Item	Silk-screen	Description
Power Indicator	POWER	Always ON while working
Signal Indicator	LINK	<ul style="list-style-type: none"> <li>◆ flicker: Signal is transmitted in bus</li> <li>◆ always ON: Communication Error in bus</li> </ul>
Status Indicator	IN-USE	ON while working

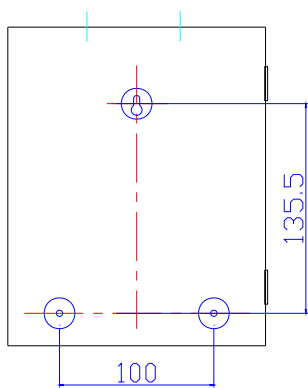
Continuous:

Item	Silk-screen	Description
NSW Port (Output of ST-MDS)	CN-MDS	Connect to ST-NSW by special cable(10P) supplied with the device P- : Ground D1: Data D2: Data P- : Ground A2: The second audio channel (Don't need to connect this port in mono-audio channel system) A1: The first audio channel NC: Reserved V2: The second video channel (Don't need to connect this port in mono-video channel system) NC: Reserved V1: The first video channel
Power Input	JWP	P+: positive , 18V; P -: negative; Two couple of Power input ports
Signal of the first door station	JWB(IN1)	A1: Audio P-: Ground D1: data D2: data
Video of the first door station	JWV(IN1)	VD: Video signal VG: Ground
Signal of the second door station	JWB(IN2)	A1: Audio P-: Ground D1: data D2: data
Video of the second door station	JWV(IN2)	VD: Video signal VG: Ground
Signal of the third door station	JWB(IN3)	A1: Audio P-: Ground D1: data D2: data
Video of the third door station	JWV(IN3)	VD: Video signal VG: Ground

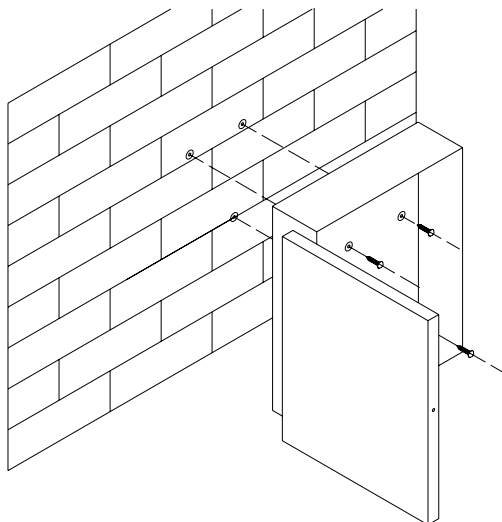
Continuous:

Item	Silk-screen	Description
Signal of the third door station	JWB(IN4)	A1: Audio P-: Ground D1: data D2: data
Video of the third door station	JWV(IN4)	VD: Video signal VG: Ground
DIP Setting	S1	Function setting, details refer to DIP Switch Setting in section 3
PC Port	RS485	Set parameters of ST-MDS by PC that is connected by RS485-USB Converter(Details refer to PC setting)
Output of DC12V	JEP	Power supply for camera, max current 300mA
Test Button	PA	Press PA button and IN-USE Indicator will light, then start to monitor door stations connected circular with click of relay
Program Update Port	JTAG	Connected to PC to update program of ST-MDS

## 2. Installation

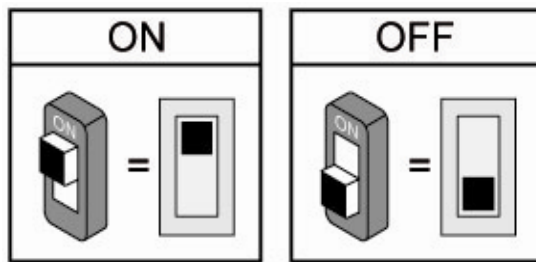


Dimension: 206\*167\*45



## 3. DIP Switch Setting

DIP Switch Status:



S1 Setting ( Defaults are OFF )

DIP1	DIP2	ST-MDS Address
OFF	OFF	The first ST-MDS
ON	OFF	The second ST-MDS
OFF	ON	The third ST-MDS
ON	ON	The fourth ST-MDS

DIP3	DIP4	Ports used
OFF	OFF	CH1 used
ON	OFF	CH1 & CH2 used
OFF	ON	CH1, CH2 & CH3 used
ON	ON	Ch1, Ch2, Ch3 & CH4 used

DIP5	DIP6	Switch Timing while monitoring
OFF	OFF	5 seconds
ON	OFF	10 seconds
OFF	ON	15 seconds
ON	ON	The timing of PC setting(Default is 20s )

#### 4. Specification:

Working Voltage: DC 18V, Power Supply model: PS2 or PS5-18V

Standby Current: 30mA

Working Current: 100mA

Power Supply for camera: 12V/300mA

Dimension: 206\*167\*45mm

Working Temperature: -10°C - 40°C

Expanded number: Up to 4 MDS connected in one block

Audio Channels: 1,2 & 4 is optional

Video Channels: 1 or 2 is optional