

Product Picture



Overview

CP4 is a control panel used for MDVR. Adopted with 18 buttons, 7 inches large screen display, it also integrates with features of SMS, reversing monitor etc..It is widely applied to domestic and overseas School bus systems for its easy installation, powerful features and convenient operation.

Features

1. Control Panel

CP4 controls MDVR via RS232 serial port and driver can setup MDVR on CP4. The function of CP4 is similar to remote control. Besides, it also can setup the menu of MDVR.

2. Live View

Menu and video can be transmitted to CP4 via pass through mode. CP4 can setup the other functions of MDVR, such as record and playback.

3. Reversing Live View

There is an AV aviation-din on CP4, drivers can connect the camera with CP4. It is not used for recording or monitoring, but to view the reversing vehicle and other live view. Besides, there is a sensor using to connect with I/O signal, which is to switch the pictures of camera.

4. SMS and Voice Broadcast

Built-in 2 speakers(16Ω, 2w), they are used to broadcast messages and some prompts

5. Intercom

Connect with microphone and MDVR, it can realize the functions of IP connection and making calls.

Product Specification

Display specifications	Size	7 Inches
	Resolution	800*480
	Aspect Ratio	16:9
	Button and Screen Distribution	Combined
Material	Panel Material	70%PC+30%ABS Engineering plastics
	Button Material	Silicone
Built-in Module	RFID Wipe Card Module	13.56 MHZ for driver to to swipe card
	Speaker	Speaker (16Ω, 2W) x 2
Interface	MDVR	Connects to Streamax MDVR
	CAM	Yellow 4PIN aviation-din connector, connects to reversing camera
	MIC	Connects to the driver microphone
	SENSOR	Yellow hanging line, reversing signal detection port, high level effective. To monitor control for reversing.
Button	Function Buttons	Menu / Arrow Keys / Confirmation / Exit
	Number Buttons	0-9
Installation	Tile Installation	Refer to mounting bracket.

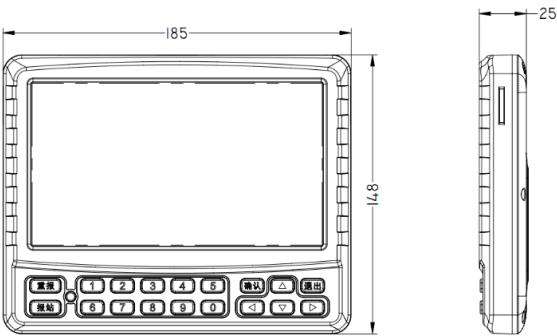
	Bracket Installation	There are three brackets with hood.
Dimension		185mm×128mm×34.9mm
Operation conditions	Operating Voltage	12V
Performance	Operating Current	200mA
	Total Power Consumption	2.4W
	Waterproof and Dustproof	IP20
	Operating Temperature	-40℃~+70℃
	Operating Humidity	8%~90%

LCD Specification

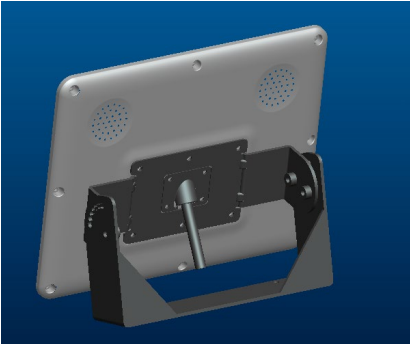
Parameters	Performance	Description
Screen Type	LCD screen	
Touch Type	4 wire resistor type	
Size	7 inches	
Resolution	800*480	
Luminance	360 cd/m2	
Contrast Ratio	500:1	Under a suitable brightness condition, the higher contrast, the richer color levels
Response Time	10/15(Tr/Td) ms	The response time of the LCD to the input signal
Visual Angle	70/70/50/70 (Typ.)(CR dot 10)(Left/Right/Up/Down)	The Angle at which the line of sight can see the acceptable

		distortion value and the Angle at which the screen normal can be seen.
Maximum Number of Display Color	262K/16.7M(6bit/6bit+Dithering)	
Scale	16:9	
Back-light Type	White LED	

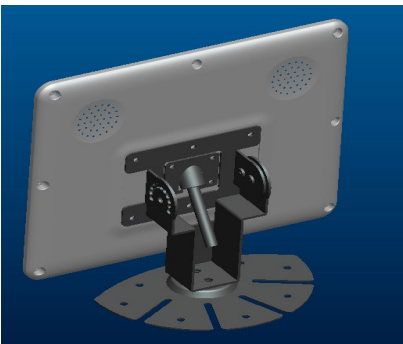
Product structure



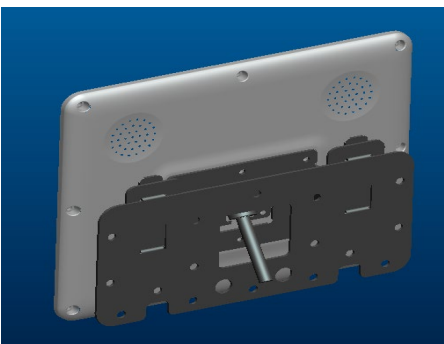
Bracket Installation



Suitable for relatively flat console



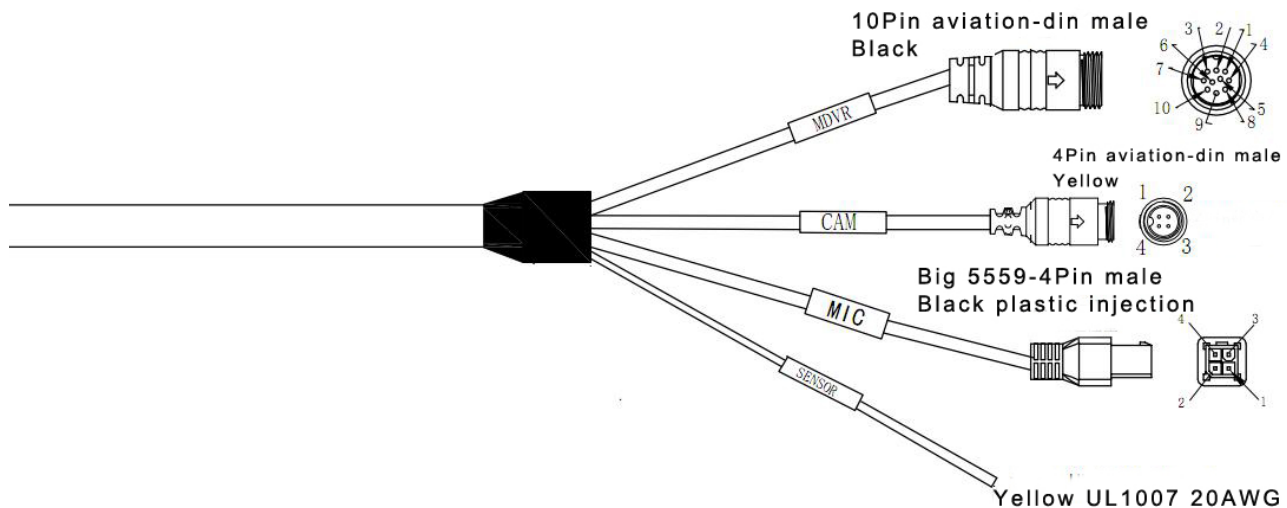
Suitable for curved console



Suitable for hanging

Interface

the external interface of CP4 uses harness, which leads a bunch of buses from CP4, and then the joint distributes according to their functions, details are as following:



Definition:

Connector Name	Function	Definition
MDVR	Black 10PIN aviation-din male connector connects to Streamax MDVR.	
CAM	Yellow 4PIN aviation-din connector connects to reversing camera.	
MIC	Connects to driver microphone.	
SENSOR	Yellow hanging line, reversing signal detection port, high level effective. For reversing control.	Hanging line SENSOR