

OPTIVIEW Rearview Mirror DVR Specification

Model No.: DC-HS1023JK-V1.0



Main Features:

- Dual native 1080P AHD signal input, backward compatible
- Available screen sizes: 10.25" / 12.3" / 14.9" full-view HD LCD
- Supports up to 256GB storage
- Dual CVBS or mixed AHD input, hot-swappable
- Adaptive light sensor for display brightness
- Optional infrared remote control
- Dual-channel simultaneous recording with separate folders
- Local video playback supported
- 12V power output for cameras
- CMOS & display sync speed: 70–140ms
- Wide voltage input: 12–36V
- Imported MPS or TI power management chip
- Supports GB/T camera signal vertical display conversion
- Main control chip: ARKn141 / ARK630M, AEC Q100 certified
- 3.5s image boot-up time
- Equipped with imported TVS tubes, dual fuse protection, and surge resistance
- Supports single/dual LVDS or RGB format displays (up to 1920×1200) with horizontal/vertical rotation

- Compatible with single/dual LVDS or RGB format displays at 1920×1080 or lower

Applications:

- Commercial vehicle A-pillar electronic rearview mirror systems
- BUS or TRU

Technical Specifications:

No.	Function	Specification
1	Video input & display resolution	1920×1080, backward compatible
2	Display ratio & mode	Horizontal or vertical, selectable: 5:5 / 6:4 / 7:3 / 8:2
3	Video input format & frame rate	AHD/SVBS adaptive, 25/30fps, 50/60fps
4	Image display	Horizontal / original
5	Brightness, color, contrast	Adjustable
6	Loop recording	1, 3, or 5 min (customizable)
7	Reversing delay	Adjustable
8	Menu language	Simplified Chinese, English (customizable)
9	LCD interface	RGB 16-bit / single & dual LVDS a-Si TFT / mipi-LCD
10	Channels	2 channels simultaneous display
11	Video source input	1.0Vp–0.2Vpp
12	Audio interface	PCM
13	Storage	Up to 256GB
14	Reversing trigger	7.5–36V
15	Infrared remote	Built-in receiver
16	Power output	Dual 12V/3A for camera power supply
17	Light brightness sensor	Auto screen brightness adjustment
18	Button interface	Multi-key (0.1–3.3V)

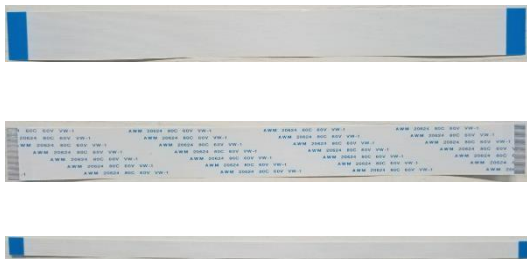
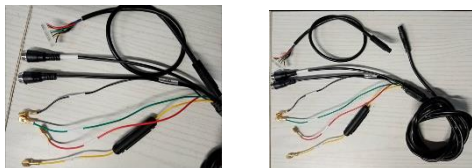
No.	Function	Specification
19	Backlight interface	Max voltage 45V, 300mA
20	Power input	DC 12–36V
21	Recording resolution	Dual-channel independent recording, 1920×720p
22	Compression format	H.264
23	File format	TS (no data loss on power-off), AVI
24	Power consumption	3.7W
25	Operating temp.	-30°C to +85°C
26	Storage temp.	-30°C to +95°C, RH <90%
27	AHD video output	2-way (customizable)
28	Board size	110×77×15mm

Package Contents:

- 1 × Mainboard (HS1023JK-V1.0)
- 1 × SD Card Board (DC-FG3HD-SD-V1.1)
- 1 × Key Button Board (DC-8DWG-KEY-V1.1)
- 2× LCD Screen (available in 12.3")
- 1 × Housing Kit (matching screen size)
- 2 × FPC Cables (50P & 12P, 100mm each)
- 1 × Main External Cable (2AHD)
- 1 × Button Board to Mainboard Cable
- 4 × Cameras (IMX307+8550 or similar)

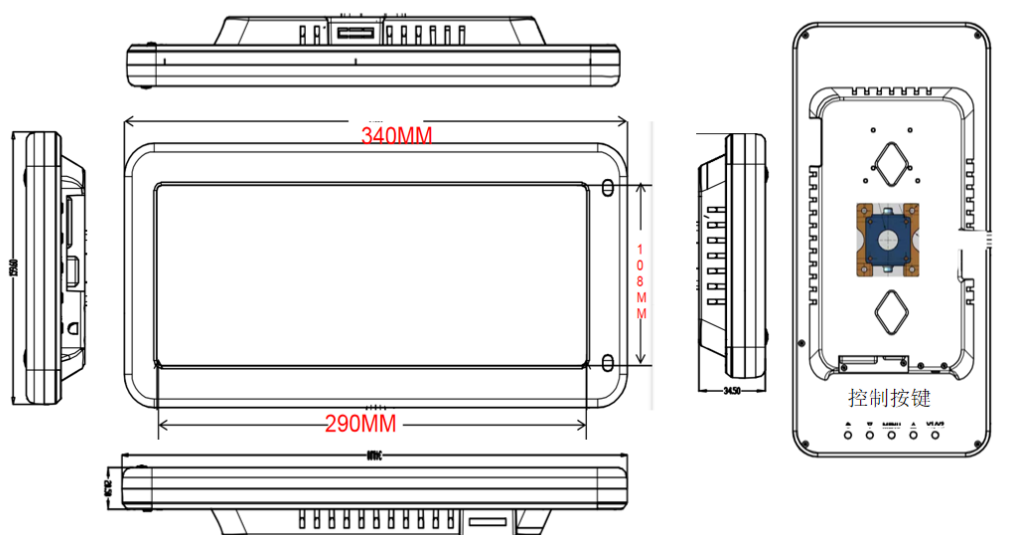
Package details:

Item	Qty.	Spec.	Photo	Note
------	------	-------	-------	------

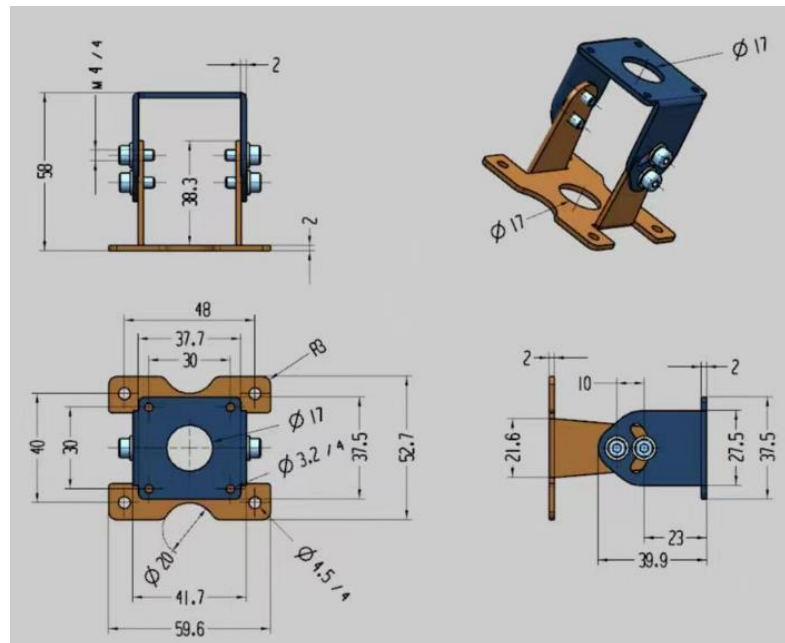
PCBA	2PCS	HS1023JK-V1.0		
SD	1PCS	DC-FG3HD-SD-V1.1		
KEY Board	1PCS	DC-8DWG-KEY-V1.1		
LCD display	2PCS	12.3 inch		
Case	2 set	12.3 inch		
FPC connecting cable	2 pcs.	1. 0.5mm50P 100mm1 pcs. 2.0.5mm12P 100mm1 pcs.		
cables	2 set	2AHDE		

Connecting cables	2pcs.	KEY connecting cable		
Camera	4 pcs.	IMX307+8550		

Mechanical Drawing



Frame drawing:



Contact information:

Karen Lu

Director

Winlet Global Co., Ltd.

Winlet.global@gmail.com

www.winletglobal.com