Sihovision® SHENZHEN SHINHO ELECTRONIC TECHNOLOGY CO., LTD

Professional Industrial panel PC/monitor manufacturer

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Features:

- 1. Aluminum alloy frame with sandblasting and oxidation process, anti-UV and anti-discoloration treatment, IP65 waterproof front shell, narrow frame design
- 2. Industrial-grade LCD screen, full viewing angle, 1000 brightness visible under sunlight, PWM software to adjust brightness
- 3. 10 points capacitive touch screen, the protective layer is 2mm tempered glass (chemically strengthened), the hardness reaches 7H, and the surface is treated with AG anti-glare treatment
- 4. EETI touch control solution, normal touch when there are water droplets on the touch screen
- 5. Use industrial-grade components, work 24/7, and support wide temperature operation -20-70 ℃

Model:SC133		
PC		
CPU	Intel® Celeron J1900, 4 Cores, 4 Threads, Base 2.0 GHz, Turbo 2.4 GHz, 2MB Cache,	
Chipset	Intel® Bay Trail J1900 Embedded Chip	
Memory	4G DDR3	
Storage Capacity	128G SSD	
Graphics	Intel HD4000	
Audio	Realtek ALC662HD	
Network	1×Realtek RTL8111E	
Wireless Network	WIFI, Bluetooth, 4G Optional	
Preinstalled OS	Debian	
Operation System	Support Windows 7/8/10, Linux, Ubuntu, Debian, etc.	
I/O		
USB	3*USB2.0, 1*USB2.0	
СОМ	2* COM RS232	
LAN	1* RJ45	
Video Outputs	1*VGA, 1*HDMI	
Audio	1* 3.5mm Line-out, 1* 3.5mm Line-in (2 x 2W Speakers)	
Power input	1* 12V DC jack, 1* 2PIN aviation lockable DC jack	
Other	1* Power on/off button, 1* WIFI antenna jack male, 1*10PIN GPIO	
LCD panel		
Screen diagonal	13.3"	
Display active area	293.76(W)x165.24(H) mm / 11.565x6.506 in	
Resolution	1920*1080	
Aspect ratio	16:9	

Brightness (cd/m²) 1000 rits sunlight readable Brightness control PWM Brightness Adjustment Contrast ratio 900:1 View angle 85°85'85'85'85' (R/L/U/D) Support Color 16.7M colors Backlight WLED, 50K hours Touch panel Touchscreen Type Projected Capacitive Touch (up to 10 points) Surface treatment Anti glare (chemical etching) Luminousness 285% Touch controller IC EETI 81 Available touch drivers Vindows, Linux, Android, Mac, etc Touch bonding Air bonding Touch optional Resisive touch, non touch, IR touch optional Power Supply Working voltage DC 9-38V Power consumption 18W Power consumption Material Aluminium alloy bezel+ Zinc Plating cold rolled steel rear housing Front bezel-Sandblasting+Hard Anodizing, UV-protection and Anti-discoloration treatment Rear housing: powder coated Color Black VESA mounting VESA mount 75°75/100°100mm, Panel mount IP grade Front Des Waterproof Cooling system Passive - Fanless Operating Environment Temperature Range Gperating: -20°C(-4°F) to 70°C(158°F), Storage: -30°C(-22°T) to 80°C(176°T) Relative humidity Up to 90% at all relevant temperatures, non-condensing Wibration GRT 2423.10-2019 Shock GB2423.5 EMC Class B Packing Details Product Deimension 333.4×205×48mm Packing Details Prover cable, Power supply, Embedded mount screws, Antenna, GPIO terminal connector Other Warranty Lyer warrantly			
Contrast ratio 90:1 View angle 85/85/85/85 (R/L/U/D) Support Color 16.7M Colors Backlight WLED, 50K hours Touch panel Touchscreen Type Projected Capacitive Touch (up to 10 points) Surface treatment Anti glare (chemical etching) Luminousness 285% Touch controller IC ETTI 81 Available touch drivers Touch bonding Air bonding Touch optional Resisive touch, non touch, IR touch optional Power Supply Working voltage DC 9-36V Power consumption 18W Power adapter AC 100 ~ 240V input and DC +12V@5A MAX output, 60W Enclosure Material Aluminium alloy bezel+ Zinc Plating cold rolled steel rear housing Front bezel: Sandblasting-Hard Anodizing, UV-protection and Anti-discoloration treatment Rear housing: powder coated Color Black VESA mounting VESA mount 75*75/100*100mm, Panel mount Pg grade Front IP65 waterproof Cooling system Passive - Fanless Operating Environment Temperature Range Operating: -20 *C(-4*F) to 70*C(158*F), Storage: -30 *C(-2*F) to 80*C(176*F)* Relative humidity Up to 90% at all relevant temperatures, non-condensing Vibration GB/7 2423.10-2019 Shock GB2423.5 EMC Class B Packing Details Product Dimension 333.4*205×48mm Packing Info	Brightness (cd/m²)	1000 nits sunlight readable	
View angle 85/857/85° (R/L/U/D) Support Color 16.7M colors Backlight WLED, 50K hours Touch panel Touch panel Touchscreen Type Projected Capacitive Touch (up to 10 points) Surface Hardness 7H Surface treatment Anti glare (chemical etching) Luminousness 2.85% Touch tourtoller IC EETI 81 Available touch drivers Windows, Linux, Android, Mac, etc Touch bonding Air bonding Touch optional Resisive touch, non touch, IR touch optional Power Supply Working voltage DC 9-36V Power consumption 18W Power adapter AC 100 ~ 240V input and DC +12V@5A MAX output, 60W Enclosure Material Aluminium alloy bezel - Zinc Plating cold rolled steel rear housing Front bezel: Sandblasting+Hard Anodizing, UV-protection and Anti-discoloration treatment Rear housing: powder coated Color Black VESA mounting VESA mount 75°75/100°100mm, Panel mount IP grade Front IP65 waterproof Cooling system Passive - Fanless Operating Environment Temperature Range Operating: -20°C(-4-T') to 70°C(158-T'), Storage: -30°C(-22T') to 80°C(176-T') Relative humidity Up to 90% at all relevant temperatures, non-condensing Vibration GB/I 2423.10 - 2019 Shock GB2423.5 EMC Class B Packing Details Product Dimension 33.4 × 205 × 48mm Packing Info Packers Power cable, Power supply, Embedded mount screws, Antenna, GPIO terminal connector Other Warranty 1 year warranty	Brightness control	PWM Brightness Adjustment	
Support Color Backlight WIED, 50K hours Touch panel Touchscreen Type Surface Hardness 7H Surface treatment Luminousness 285% Touch controller IC Available touch drivers Touch optional Power Supply Working voltage Power consumption Power adapter AC 100 ~ 240V input and DC +12V@5A MAX output, 60W Enclosure Material Aluminium alloy bezel+ Zinc Plating cold rolled steel rear housing Front bezel: Sandblasting+Hard Anodizing, UV-protection and Anti-discoloration treatment Rear housing: powder coated Color Black VESA mounting VESA mount 75*75/100*100mm, Panel mount Pgrade Front IP65 waterproof Cooling system Passive - Fanless Operating Environment Temperature Range Relative humidity Vibration GB/T 2423.10-2019 Shock GB2423.5 EMC Class B Packing Details Product weight Prover cable, Power supply, Embedded mount screws, Antenna, GPIO terminal connector Other Warranty 1 year warranty	Contrast ratio	900:1	
Backlight WLED, 50K hours Touch panel Touch panel Touchscreen Type Projected Capacitive Touch (up to 10 points) Surface Hardness 7H Surface Hardness 7H Surface treatment Anti glare (chemical etching) Luminousness 285% Touch controller IC EETI 81 Available touch drivers Windows, Linux, Android, Mac, etc Touch bonding Air bonding Touch optional Resistive touch, non touch, IR touch optional Power Supply Working voltage DC 9-36V Power consumption 18W Power adapter AC 100 ~ 240V input and DC +12V@SA MAX output, 60W Enclosure Material Aluminium alloy bezel+ Zinc Plating cold rolled steel rear housing Front bezel: Sandblasting+Hard Anodizing, UV-protection and Anti-discoloration treatment Rear housing: powder coated Color Black VESA mounting VESA mount 75*75/100*100mm, Panel mount IP grade Front IP65 waterproof Cooling system Passive - Fanless Operating Environment Temperature Range Relative humidity Up to 90% at all relevant temperatures, non-condensing Vibration GB/T 2423.10-2019 Shock GB/2423.5 EMC Class B Packing Details Product Dimension 333.4×205×48mm Packing Info 1pcs/ctn 42×16×42cm 4.5kg 2pcs/ctn 42×30×42cm 9kg Accessories Power cable, Power supply, Embedded mount screws, Antenna, GPIO terminal connector Other Warranty 1 year warranty	View angle	85°/85°/85° (R/L/U/D)	
Touch panel Touch panel Touchscreen Type	Support Color	16.7M colors	
Touchscreen Type Surface Hardness 7H Surface treatment Luminousness 285% Touch controller IC Available touch drivers Windows, Linux, Android, Mac, etc Touch bonding Touch optional Resisive touch, non touch, IR touch optional Power Supply Working voltage Power consumption BW Power adapter Ac 100 ~ 240V input and DC +12V@5A MAX output, 60W Enclosure Material Aluminium alloy bezel+ Zinc Plating cold rolled steel rear housing Front bezel: Sandblasting+Hard Anodizing, UV-protection and Anti-discoloration treatment Rear housing: powder coated Color Black VESA mounting VESA mount 75*75/100*100mm, Panel mount IP grade Front IP65 waterproof Cooling system Passive - Fanless Operating Environment Temperature Range Relative humidity Up to 90% at all relevant temperatures, non-condensing Vibration GB/T 2423.10-2019 Shock GB2423.5 EMC Class B Packing Info Power cable, Power supply, Embedded mount screws, Antenna, GPIO terminal connector Other Warranty 1 year warranty	Backlight	WLED, 50K hours	
Surface Hardness 7H Surface treatment Anti glare (chemical etching) Luminousness >858% Touch controller IC EETI 81 Available touch drivers Windows, Linux, Android, Mac, etc Touch bonding Air bonding Touch optional Resisive touch, non touch, IR touch optional Power Supply Working voltage DC 9-36V Power consumption 18W Power consumption AC 100 ~ 240V input and DC +12V@5A MAX output, 60W Enclosure Material Aluminium alloy bezel+ Zinc Plating cold rolled steel rear housing Front bezel: Sandblasting+Hard Anodizing, UV-protection and Anti-discoloration treatment Rear housing: powder coated Color Black VESA mounting VESA mount 75*75/100*100mm, Panel mount IP grade Front IP65 waterproof Cooling system Passive - Fanless Operating Environment Temperature Range (Passive - Fanless) Operating Environment Temperature Range (BR / 2423.10 - 2019 Shock GB 2423.5 EMC Class B Packing Info Packing info 20*2×10*2×30×42cm 4.5kg Product Dimension 333.4×205×48mm Packing info 2power cable, Power supply, Embedded mount screws, Antenna, GPIO terminal connector Other Warranty 1 year warranty	Touch panel		
Surface treatment Luminousness 285% Touch controller (C EETI 81 Available touch drivers Touch bonding Air bonding Touch optional Resisive touch, non touch, IR touch optional Power Supply Working voltage DC 9-36V Power consumption 18W Power adapter AC 100 ~ 240V input and DC +12V@5A MAX output, 60W Enclosure Material Aluminium alloy bezel+ Zinc Plating cold rolled steel rear housing Front bezel: Sandblasting+Hard Anodizing, UV-protection and Anti-discoloration treatment Rear housing: powder coated Color Black VESA mounting VESA mount 75*75/100*100mm, Panel mount IP grade Front IP65 waterproof Cooling system Passive - Fanless Operating Environment Temperature Range Operating: -20 °C(-4T') to 70°C(158'T), Storage: -30 °C(-22T') to 80°C(176'T) Relative humidity Up to 90% at all relevant temperatures, non-condensing Vibration GB/T 2423.10-2019 Shock GB2423.5 EMC Class B Packing Details Product Dimension 333.4 × 205 × 48mm Packing info 2pcs/ctn 42×30×42cm 9kg Accessories Power cable, Power supply, Embedded mount screws, Antenna, GPIO terminal connector Other Warranty 1 year warranty	Touchscreen Type	Projected Capacitive Touch (up to 10 points)	
Luminousness	Surface Hardness	7H	
Touch controller IC Available touch drivers Windows, Linux, Android, Mac, etc Touch bonding Air bonding Touch optional Resistive touch, non touch, IR touch optional Power Supply Working voltage DC 9-36V Power consumption 18W Power adapter AC 100 ~ 240V input and DC +12V@5A MAX output, 60W Enclosure Material Aluminium alloy bezel+ Zinc Plating cold rolled steel rear housing Front bezel: Sandblasting+Hard Anodizing, UV-protection and Anti-discoloration treatment Rear housing: powder coated Color Black VESA mounting VESA mount 75*75/100*100mm, Panel mount IP grade Front IP65 waterproof Cooling system Passive - Fanless Operating Environment Temperature Range Relative humidity Up to 90% at all relevant temperatures, non-condensing Vibration GB/T 2423.10-2019 Shock GB2423.5 EMC Class B Packing Details Product Dimension 333.4×205×48mm Jeps/ctn 42×30×42cm 9kg Accessories Power cable, Power supply, Embedded mount screws, Antenna, GPIO terminal connector Other Warranty 1 year warranty	Surface treatment	Anti glare (chemical etching)	
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Touch bonding Air bonding Touch optional Resisive touch, non touch, IR touch optional Power Supply Working voltage DC 9-36V Power consumption 18W Power adapter AC 100 ~ 240V input and DC +12V@5A MAX output, 60W Enclosure Material Aluminium alloy bezel+ Zinc Plating cold rolled steel rear housing Front bezel: Sandblasting+Hard Anodizing, UV-protection and Anti-discoloration treatment Rear housing: powder coated Color Black VESA mounting VESA mount 75*75/100*100mm, Panel mount IP grade Front IP65 waterproof Cooling system Passive - Fanless Operating Environment Temperature Range Operating: -20 °C(-4*F) to 70°C(158*F), Storage: -30 °C(-22*F) to 80°C(176*F) Relative humidity Up to 90% at all relevant temperatures, non-condensing Vibration GB/T 2423.10-2019 Shock GB2423.5 EMC Class B Packing Details Product Dimension 333.4*205*48mm lpcs/ctn 42*16*42cm 4.5kg 2pcs/ctn 42*30*42cm 9kg Accessories Power cable, Power supply, Embedded mount screws, Antenna, GPIO terminal connector Other Warranty 1 year warranty	Touch controller IC	EETI 81	
Touch optional Resisive touch, non touch, IR touch optional Power Supply Working voltage DC 9-36V Power consumption 18W Power adapter AC 100 ~ 240V input and DC +12V@5A MAX output, 60W Enclosure Material Aluminium alloy bezel+ Zinc Plating cold rolled steel rear housing Front bezel: Sandblasting+Hard Anodizing, UV-protection and Anti-discoloration treatment Rear housing: powder coated Color Black VESA mounting VESA mount 75*75/100*100mm, Panel mount IP grade Front IP65 waterproof Cooling system Passive - Fanless Operating Environment Temperature Range Operating: -20 *C(-4T*) to 70*C(158T*), Storage: -30 *C(-22*F) to 80*C(176*F) Relative humidity Up to 90% at all relevant temperatures, non-condensing Vibration GB/T 2423.10-2019 Shock GB2423.5 EMC Class B Packing Details Product weight Net weight 3kg Gross weight 4.5kg Product Dimension 333.4*205*48mm 1pcs/ctn 42*16*42cm 4.5kg 2pcs/ctn 42*30*42cm 9kg Accessories Power cable, Power supply, Embedded mount screws, Antenna, GPIO terminal connector Other Warranty 1 year warranty	Available touch drivers	Windows, Linux, Android, Mac, etc	
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Material Aluminium alloy bezel+ Zinc Plating cold rolled steel rear housing Front bezel: Sandblasting+Hard Anodizing, UV-protection and Anti-discoloration treatment Rear housing: powder coated Color Black VESA mounting VESA mount 75*75/100*100mm, Panel mount IP grade Front IP65 waterproof Cooling system Passive - Fanless Operating Environment Temperature Range Operating: -20 °C(-4°F) to 70°C(158°F), Storage: -30 °C(-22°F) to 80°C(176°F) Relative humidity Up to 90% at all relevant temperatures, non-condensing Vibration GB/T 2423.10-2019 Shock GB2423.5 EMC Class B Packing Details Product weight Net weight 3kg Gross weight 4.5kg Product Dimension 333.4×205×48mm Packing info 1pcs/ctn 42×16×42cm 4.5kg 2pcs/ctn 42×30×42cm 9kg Accessories Power cable, Power supply, Embedded mount screws, Antenna, GPIO terminal connector Other Warranty 1 year warranty	Power adapter	AC 100 ~ 240V input and DC +12V@5A MAX output, 60W	
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Finish treatment Rear housing: powder coated Color Black VESA mounting VESA mount 75*75/100*100mm, Panel mount IP grade Front IP65 waterproof Cooling system Passive - Fanless Operating Environment Temperature Range Operating: -20 °C(-4T) to 70°C(158T), Storage: -30 °C(-22T) to 80°C(176T) Relative humidity Up to 90% at all relevant temperatures, non-condensing Vibration GB/T 2423.10-2019 Shock GB2423.5 EMC Class B Packing Details Product weight Net weight 3kg Gross weight 4.5kg Product Dimension 333.4×205×48mm Packing info 1pcs/ctn 42×16×42cm 4.5kg 2pcs/ctn 42×30×42cm 9kg Accessories Power cable, Power supply, Embedded mount screws, Antenna, GPIO terminal connector Other Warranty 1 year warranty	Material	Aluminium alloy bezel+ Zinc Plating cold rolled steel rear housing	
Rear housing: powder coated Color Black VESA mounting VESA mount 75*75/100*100mm, Panel mount IP grade Front IP65 waterproof Cooling system Passive - Fanless Operating Environment Temperature Range Operating: -20 °C(-4°T) to 70°C(158°T), Storage: -30 °C(-22°T) to 80°C(176°T) Relative humidity Up to 90% at all relevant temperatures, non-condensing Vibration GB/T 2423.10-2019 Shock GB2423.5 EMC Class B Packing Details Product weight Net weight 3kg Gross weight 4.5kg Product Dimension 333.4×205×48mm Packing info 1pcs/ctn 42×16×42cm 4.5kg 2pcs/ctn 42×30×42cm 9kg Accessories Power cable, Power supply, Embedded mount screws, Antenna, GPIO terminal connector Other Warranty 1 year warranty		Front bezel: Sandblasting+Hard Anodizing, UV-protection and Anti-discoloration	
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VESA mounting VESA mount 75*75/100*100mm, Panel mount IP grade Front IP65 waterproof Cooling system Passive - Fanless Operating Environment Temperature Range Operating: -20 °C(-4"F) to 70°C(158"F), Storage: -30 °C(-22"F) to 80°C(176"F) Relative humidity Up to 90% at all relevant temperatures, non-condensing Vibration GB/T 2423.10-2019 Shock GB2423.5 EMC Class B Packing Details Product weight Net weight 3kg Gross weight 4.5kg Product Dimension 33.4×205×48mm Packing info 1pcs/ctn 42×16×42cm 4.5kg 2pcs/ctn 42×30×42cm 9kg Accessories Power cable, Power supply, Embedded mount screws, Antenna, GPIO terminal connector Other Warranty 1 year warranty			
P grade			
Cooling system Passive - Fanless Operating Environment Temperature Range Operating: -20 °C(-4°F) to 70°C(158°F), Storage: -30 °C(-22°F) to 80°C(176°F) Relative humidity Up to 90% at all relevant temperatures, non-condensing Vibration GB/T 2423.10-2019 Shock GB2423.5 EMC Class B Packing Details Product weight Net weight 3kg Gross weight 4.5kg Product Dimension 333.4×205×48mm Packing info 1pcs/ctn 42×16×42cm 4.5kg 2pcs/ctn 42×30×42cm 9kg Accessories Power cable, Power supply, Embedded mount screws, Antenna, GPIO terminal connector Other Warranty 1 year warranty			
Operating Environment Temperature Range Operating: -20 °C(-4°F) to 70°C(158°F), Storage: -30 °C(-22°F) to 80°C(176°F) Relative humidity Up to 90% at all relevant temperatures, non-condensing Vibration GB/T 2423.10-2019 Shock GB2423.5 EMC Class B Packing Details Product weight Net weight 3kg Gross weight 4.5kg Product Dimension 333.4×205×48mm Packing info 1pcs/ctn 42×16×42cm 4.5kg 2pcs/ctn 42×30×42cm 9kg Accessories Power cable, Power supply, Embedded mount screws, Antenna, GPIO terminal connector Other Warranty 1 year warranty			
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Relative humidity Up to 90% at all relevant temperatures, non-condensing Vibration GB/T 2423.10-2019 Shock GB2423.5 EMC Class B Packing Details Product weight Net weight 3kg Gross weight 4.5kg Product Dimension 1pcs/ctn 42×16×42cm 4.5kg 2pcs/ctn 42×30×42cm 9kg Accessories Power cable, Power supply, Embedded mount screws, Antenna, GPIO terminal connector Other Warranty 1 year warranty	Operating Environment		
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