Haiwell 海为®

High-definition capacitive screen,aluminum alloy shell

Piano Black Color Narrow Bezel Design High-end appearance



4.3"/7"/10.1"/15.6"

D Series Intelligent HMI

14 Highlights

- Allow remote access for multiple concurrent users without SCADA in the cloud or VNC connection.
- Provide data transmission and data storage in any public or private server.
- Integrate data with ERP, MES or other applications by MQTT, OPC UA, HTTP, TCP and etc.
- Embed the diaplay of HMI in other applications like software, APP and etc.
- Include intelligent functions such as TTS output, intercom, audio playing, video surveillance and etc.
- Use mobile phone as a scanner to scan barcode and enter infomation in HMI.
- Apply to data visualization or centralized control on large screen by TVBOX.
- Support Beidou positioning and trajectory tracking.
- Enable simple connection between HMI, mobile phone, tablet, computer, TV,camera and other HMIs in local area network.
- Enable simple connection between HMI, mobile phone, tablet, computer, TV, camera and other HMIs over the Internet.
- Use innovative design including HD Full Viewing Angle Display, narrow bezel, Aluminum alloy shelland microphone, speaker and RFID reader.
- Swipe down to adjust brightness/volume and check network status instantly, no background access eeded.
- Zero configuration, auto-discovers LAN cameras with one-click binding, supports alarm-triggered ecording.
- No pre-designed buttons needed. Lists all screens clearly for one-click seamless navigation.

Model List

Model	TFT Screen	Storage	LAN+COM	USB	Intelligentize	Voice	Video Play	Local Camera	RFID	Satellite Positioning	WIFI	Wireless	Hole Size W×H(mm)	Dimension W×H×D(mm)
D4	4.3" 800*480 HD Full Viewing Angle isplay	4G+512M	1+2	1		Yes							132x80 Chamfer: R7mm	137x85x30mm
D4-G		4G+512M	1+2	1		Yes						China 4G		
D4-W		4G+512M	1+2	1		Yes					Yes			
D7	7" 1024*600 HD Full Viewing Angle Capacitive Screen aluminum alloy shell	8G+512M	1+3	1	Speaker	Yes	Yes						187x114 Chamfer: R7mm	193x120x33mm
D7-G		8G+512M	1+3	1	Speaker	Yes	Yes					Built in eSIM		
D7-W		8G+512M	1+3	1	Speaker	Yes	Yes				Yes			
D7-GP		8G+512M	1+3	1	Speaker	Yes	Yes			Yes		Built in eSIM		
D7-GW		8G+512M	1+3	1	Speaker	Yes	Yes				Yes	Built in eSIM		
D7-E		8G+512M	1+3	1	Speaker	Yes	Yes					Global 4G		
D7-EP		8G+512M	1+3	1	Speaker	Yes	Yes			Yes		Global 4G		
D7-EW		8G+512M	1+3	1	Speaker	Yes	Yes				Yes	Global 4G		
D7 Pro		8G+1G	2+3	2	Microphone Speaker	Yes	Yes	Yes	Yes					
D7 Pro-G		8G+1G	2+3	2	Microphone Speaker	Yes	Yes	Yes	Yes			Built in eSIM		
D7 Pro-W		8G+1G	2+3	2	Microphone Speaker	Yes	Yes	Yes	Yes		Yes			
D7 Pro-GP		8G+1G	2+3	2	Microphone Speaker	Yes	Yes	Yes	Yes	Yes		Built in eSIM		
D7 Pro-GW		8G+1G	2+3	2	Microphone Speaker	Yes	Yes	Yes	Yes		Yes	Built in eSIM		
D7 Pro-E		8G+1G	2+3	2	Microphone Speaker	Yes	Yes	Yes	Yes			Global 4G		
D7 Pro-EP		8G+1G	2+3	2	Microphone Speaker	Yes	Yes	Yes	Yes	Yes		Global 4G		
D7 Pro-EW		8G+1G	2+3	2	Microphone Speaker	Yes	Yes	Yes	Yes		Yes	Global 4G		
D10	10.1" 1280*800 HD Full Viewing Angle Capacitive Screen aluminum alloy shell	8G+1G	1+3	1	Speaker	Yes	Yes						254x161 Chamfer: R7mm	260x167x32mm
D10-G		8G+1G	1+3	1	Speaker	Yes	Yes					Built in eSIM		
D10-W		8G+1G	1+3	1	Speaker	Yes	Yes				Yes			
D10-GP		8G+1G	1+3	1	Speaker	Yes	Yes			Yes		Built in eSIM		
D10-GW		8G+1G	1+3	1	Speaker	Yes	Yes				Yes	Built in eSIM		
D10-E		8G+1G	1+3	1	Speaker	Yes	Yes					Global 4G		
D10-EP		8G+1G	1+3	1	Speaker	Yes	Yes			Yes		Global 4G		
D10-EW		8G+1G	1+3	1	Speaker	Yes	Yes				Yes	Global 4G		
D10 Pro		8G+1G	2+3	2	Microphone Speaker	Yes	Yes	Yes	Yes					
D10 Pro-G		8G+1G	2+3	2	Microphone Speaker	Yes	Yes	Yes	Yes			Built in eSIM		
D10 Pro-W		8G+1G	2+3	2	Microphone Speaker	Yes	Yes	Yes	Yes		Yes			
D10 Pro-GP		8G+1G	2+3	2	Microphone Speaker	Yes	Yes	Yes	Yes	Yes		Built in eSIM		
D10 Pro-GW		8G+1G	2+3	2	Microphone Speaker	Yes	Yes	Yes	Yes		Yes	Built in eSIM		
D10 Pro-E		8G+1G	2+3	2	Microphone Speaker	Yes	Yes	Yes	Yes			Global 4G		
D10 Pro-EP		8G+1G	2+3	2	Microphone Speaker	Yes	Yes	Yes	Yes	Yes		Global 4G		
D10 Pro-EW		8G+1G	2+3	2	Microphone Speaker	Yes	Yes	Yes	Yes		Yes	Global 4G		
D15	15.6" 1920x1080 HD Full Viewing Angle Capacitive Screen Metal alloy shell	8G+1G	2+3	2	Speaker	Yes	Yes						383x245 Chamfer: R7mm	394x256x45mm
D15-G		8G+1G	2+3	2	Speaker	Yes	Yes					Built in eSIM		
D15-W		8G+1G	2+3	2	Speaker	Yes	Yes				Yes			
D15-GP		8G+1G	2+3	2	Speaker	Yes	Yes			Yes		Built in eSIM		
D15-GW		8G+1G	2+3	2	Speaker	Yes	Yes				Yes	Built in eSIM		
D15-E		8G+1G	2+3	2	Speaker	Yes	Yes					Global 4G		
D15-EP		8G+1G	2+3	2	Speaker	Yes	Yes			Yes		Global 4G		
D15-EW		8G+1G	2+3	2	Speaker	Yes	Yes				Yes	Global 4G		
D15 Pro		8G+1G	2+3	2	Microphone Speaker	Yes	Yes	Yes	Yes					
D15 Pro-G		8G+1G	2+3	2	Microphone Speaker	Yes	Yes	Yes	Yes			Built in eSIM		
D15 Pro-W		8G+1G	2+3	2	Microphone Speaker	Yes	Yes	Yes	Yes		Yes			
D15 Pro-GP		8G+1G	2+3	2	Microphone Speaker	Yes	Yes	Yes	Yes	Yes		Built in eSIM		
D15 Pro-GW		8G+1G	2+3	2	Microphone Speaker	Yes	Yes	Yes	Yes		Yes	Built in eSIM		
D15 Pro-E		8G+1G	2+3	2	Microphone Speaker	Yes	Yes	Yes	Yes			Global 4G		
D15 Pro-EP		8G+1G	2+3	2	Microphone Speaker	Yes	Yes	Yes	Yes	Yes		Global 4G		
D15 Pro-EW		8G+1G	2+3	2	Microphone Speaker	Yes	Yes	Yes	Yes		Yes	Global 4G		
D21	21.5" 1920x1080 HD Full Viewing Angle Capacitive Screen Metal alloy shell	8G+1G	2+3	2		Yes	Yes	Yes	Yes		Yes		531*322 Chamfer: R7mm	538*330*53mm

Features

Capacitive Touch Screen

Supports wet hand operation, sensitive touch, instant response with a light touch of fingertips. High brightness, perfect restoration of image color and clarity.



RFID/NFC

HMI supports reading RFID tags and NFC recognition, which can be applied to user login and access control.



Voice Broadcast & Intercom

Built-in mic and speaker support bilingual TTS, USB audio, voice alerts, device intercom, group notifications, and mobile remote intercom.



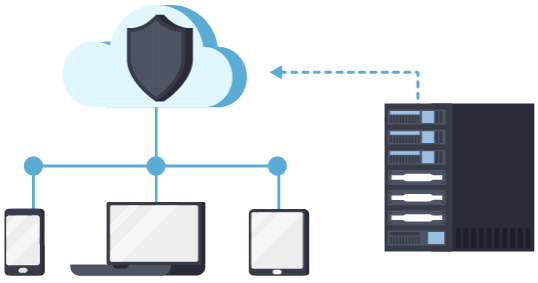
Satellite Positioning

Support Beidou positioning and trajectory tracking. Users can check the realtime position of devices.



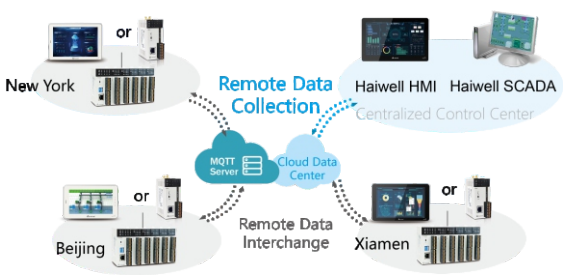
Device & Data Security

Dual Key review & remote local authentication safeguard access, data stays off-cloud, supporting designated server & local/public network deployment.



Remote Centralized Control

All the data of remote devices can be acquired through MQTT broker for centralized control. Users don't even need to deploy server if using cloud data center.



Open Interface

Supports Web API, MQTT, and multiple programming languages. Enables device control via HTTP, integrates with ERP, MES, and third-party IoT platforms, and supports high-concurrency connections.



Monitoring & Management

Zero-configuration, auto-discovers and one-click adds cameras. Supports centralized management, alarm recording, and remote monitoring via APP and WeChat Mini Program.



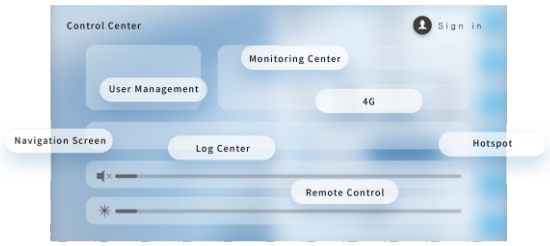
Mobile Scanner

You can turn your mobile phone into a barcode scanner and enter information everywhere. It's more convinient than external scanner.



Quick Control

Adjust brightness/volume directly, view network status instantly, swipe to show screen thumbnails and switch screens with one click for higher efficiency.



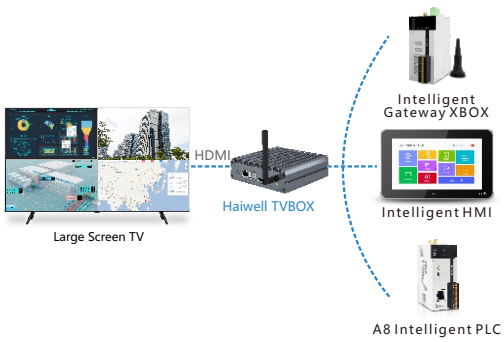
Video Playing

You can play video on HMI. The supported format is MP4.



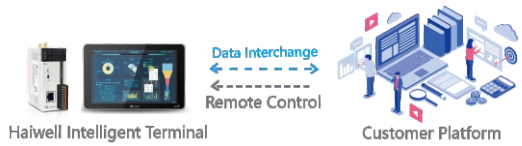
Digital Display Board

The production data, device state and video surveillance can be viewed on large screen by connecting with TVBOX. It can be appllie to data visualization and centralized control.



Display Integration

The display of HMI can be embeded in other applications such as software, website, APP and etc so that they have remote access to HMI.



Specification

Specification		D4	D7	D7 Pro	D10	D10 Pro	D15	D15 Pro	D21
Software	Programming software	Haiwell Cloud SCADA							
Display	Screen size	4.3"TFT	7"TFT		10.1"TFT		15.6"TFT		21.5"TFT
	Resolution	800x480pixels	1024x600pixels		1280x800pixels		1920x1080 pixels		1920x1080 pixels
	Display color	16.7M					262K		16.7M
	Brightness	280 cd/m²	450 cd/m²		400 cd/m²		350 cd/m²		400 cd/m²
	Viewing angle	80'/80'/80'/80'	85'/85'/85'/85'						89'/89'/89'/89'
	Touch panel type	Resistanc e-type	capacitive touch						
Backlight	Type	LED							
	Life	50,000 hours							
	Auto sleep function	Supported, configurable							
Hardware	Flash	4GB	8GB						
	RAM	512M	512M	1G	1G	1G	1G	1G	1G
	Ethernet port	10/100 Base-T*1	10/100 Base-T*1	10/100 Base-T*2	10/100 Base-T*1	10/100 Base-T*2			
	Serial port	COM1:RS232*1 COM2:RS485*1	COM1:RS232*1 COM2:RS485*1 COM3:RS485*1						
	USB HOST	USB2.0*1	USB2.0*1	USB2.0*2	USB2.0*1	USB2.0*2			
	RTC	Built-in RTC							
Power	Rated input power	24V DC±20%							
	Power consumption	6W@24V DC	12W@24V DC	15W@24V DC	13W@24V DC	17W@24V DC	23W@24V DC		36W@24V DC
	Power protection	Equipped with surge protection and anti reverse connection protection							
	Withstand voltage	500V AC							
	Insulation resistance	50MΩ @500VDC or more							
Environment	Vibration resistance	10 - 25Hz (X.Y and Z axis 2G/30 minutes)							
	Cooling method	Natural wind cooling							
	Storage temperature	-20 °C~70°C							
	Operating temperature	-10°C ~ 60°C							
	Relative humidity	10%~ 90%RH (no condensation)							
external shock	Structure material	ABS+PC (flame-retardant)	all-aluminum alloy shell + glass panel				Metal alloy + glass panel		
	External dimensions	137x85x30mm	193x120x33mm		260x167x32mm		394x256x45mm		538x330x53mm
	Panel cut dimensions	132x80 (R7mm)	187x114 (R7mm)		254x161 (R7mm)		383x245 (R7mm)		531x322(R7mm)
	Weight	0.3kg	1.0kg		1.5kg		3.2kg		7.3kg
	Installation	Panel mounting			Panel mounting、 VESA(75*75)		Panel mounting、 VESA(75*75)		Panel mounting、 VESA(75*75)
Function	WIFI	Optional (802.11b/g/n)							
	Wireless	China 4G	Optional (4G)						No
	RFID	No	No	Standard	No	Standard	No	Standard	Standard
	Satellite Positioning	No	Optional						No
	Speaker	External	Built-In	Built-In	Built-In	Built-In	Built-In	Built-In	External
	Microphone	External	External	Built-In	External	Built-In	External	Built-In	External
Certification	Certification Type	-	CE Mark	CE Mark	CE Mark	CE Mark	CE Mark	CE Mark	-



海纳百川

诚信有为

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Haiwell APP

Haiwell Wechat

The parameters of product are subject to changes without prior notice. (Ver I - 202609)