



INTRODUCTION

SBPro-HD products are Starview's first generation of multimedia players dedicated to small and medium-sized full-color LED displays.

The SBPro-HD feature following advantages, better satisfying users' requirements:

- Loading capacity up to 1,300,000 pixels
- Synchronization mechanism for multi-screen playing
- Powerful processing capability
- Omnidirectional control plan
- Synchronous and asynchronous dual-mode
- Dual-Wi-Fi mode
- Redundant backup

APPLICATION

SB-Pro products can be widely used in LED commercial display field, such as bar screen, chain store screen, advertising machine, mirror screen, retail store screen, door head screen, on board screen and the screen requiring no PC.

Classification of SBPro-HD' application cases is shown in Table 1-1.

Table 1-1 Application

Classification	Description
Market Type	<ul style="list-style-type: none"> - Advertising media: To be used for advertising and information promotion including bar screen and advertising machine. - Digital signage: To be used for signage display in retail stores including retail store screens and door head screens.

Networking Mode	<ul style="list-style-type: none"> - Commercial display: To display commercial information of hotel, cinema and shopping mall, such as chain store screens. - Independent screen: Use a PC or the client software of a mobile phone to enable single-point connection and management of a screen - Cluster screen: Use the cluster solution developed by Starview to realize centralized management and monitor of multiple screens.
Connection Type	<ul style="list-style-type: none"> - Wired connection: A PC connects to SBPro-HD through the Ethernet cable or LAN. - Wi-Fi connection: PC, Pad and mobile phone can connect to SBPro-HD through Wi-Fi, which can be enabled in the case without PC in conjunction with ViPlex software.

POWERFUL PROCESSING CAPABILITY

The SBPro-HD features powerful hardware processing capability:

- 1.5 GHz eight-core processor
- Support for H.265 4K high-definition video hardware decoding playback
- Support for 1080P video hardware decoding
- 2 GB operating memory
- 8 GB on-board internal storage space with 4 GB available for users

CONTROL METHOD

Table 2-1 Control Method

Control Plan	Connecting Mode	User Terminal
Solution publishing and screen control through PC	Ethernet cable Wi-Fi	PC
Solution publishing and screen control through LAN	LAN	PC
Solution publishing and screen control through mobile phone	Wi-Fi	Mobile phone and Pad

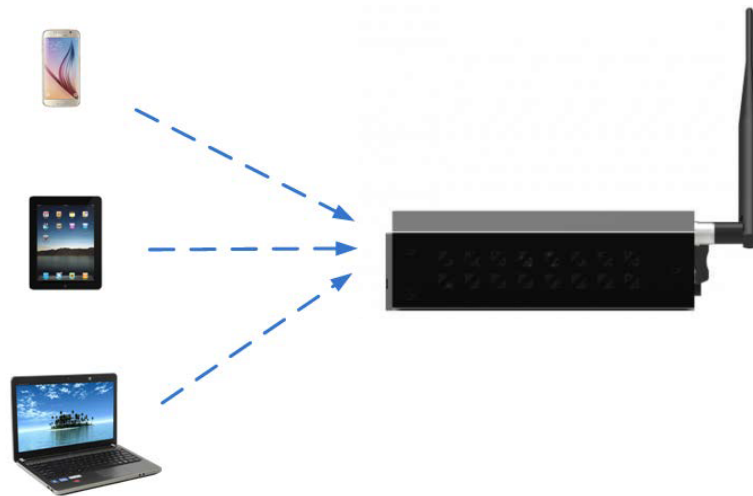
CONNECTION MODE

The SBPro-HD supports synchronous and asynchronous dual-mode, allowing more application cases and being user-friendly.

- Completely cover Wi-Fi connection scene. The SBPro-HD can be connected to through self-carried Wi-Fi AP or the external router.
- Completely cover client terminals. Mobile phone, Pad and PC can be used to log in SBPro-HD through wireless network.
- Require no wiring. Display management can be managed at any time, having improvements in efficiency.

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Directly Mode: Users connect the Wi-Fi AP of a SBPro-HD to directly access the SBPro-HD



Indirect Mode: Configure an external router for a SBPro-HD and users can access the SBPro-HD by connecting the external router. If an external router is configured for multiple SBPro-HD units, a LAN can be created. Users can access any of the SBPro-HD via the LAN



CONTROL SOFTWARE

Table 3-1: Integrated with Novastar software for content management and configuration

Name	Type	Description
ViPlex Handy	Mobile client	LAN-based screen management software for Android and iOS, which is mainly used for screen management, solution editing and publishing.
ViPlex Express	PC client	LAN-based screen management software for Windows, which is mainly used for screen management, solution editing and publishing.
NovaLCT	PC client	Screen configuration software for Windows, which is mainly used to adjust screens to the best display status.

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SPECIFICATION

SBPRO-HD SPECIFICATIONS		
Electrical Parameters	Input Power Supply	100V - 240V AC
	Maximum Power Consumption	18W
Storage Space	Operating Memory	2 GB
	Internal Storage Space	8 GB on-board with 4 GB available for users
Storage Environment	Temperature	0°C - 50°C
	Humidity	0% RH - 80% RH, non-condensing
Operating Environment	Temperature	-40°C - 80°C
	Humidity	0% RH - 80% RH, non-condensing
Packing Information	Dimensions (H x W x D)	375 mm x 280 mm x 108 mm
	List	SBPro-HD x 1 - Columned Wi-Fi omnidirectional antenna x 2 - One AC power cord x 1
Net Weight	1352.3 g	
Features	Pixel capacity up to 1,300,000, with the maximum width of 4096 pixels and maximum height of 1920 pixels. - Supports 2-primary 2-standby Ethernet port redundant mechanism. - Supports dual-Wi-Fi, and features Wi-Fi AP and Wi-Fi Sta functions. - Supports Gigabit wired network. - Supports stereo audio output. - Supports HDMI Loop. - Supports HDMI input mode. - Supports HDMI input full-screen self-adaptive display. - Supports manual and timing switching between synchronous and asynchronous modes. - 2 USB ports allows for playback of media imported from USB drives. - 1 Onboard brightness sensor port supports automatic and scheduled smart brightness adjustment.	

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