

Taurus Series

Lid. Xi' an No Si S Multimedia Players



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Taurus Series Multimedia Players TB6 Specifications

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This chapter illustrates Taurus series products safety to ensure storage, transportation, installation and usage safety of the products.

Safety description is applicable to all personnel that contact or use the products. First, pay attention to following points:

- Read throughout the description.
 - Save the whole description.
- Be complied with the whole description.

1.1 Storage and Transport Safety

- Pay attention to dust and water prevention.
- Avoid long-term direct sunlight.
- Do not place the products at the position near fire and heat.
- Do not place the products in an area containing explosive materials.
- Do not place the products in strong electromagnetic environment.
- Place the products at a stable position to prevent damage or personal injury caused by dropping.
- Save the packing box and materials which will come in handy if you ever have to ship your products. For maximum protection, repack your product as it was originally packed at the factory.

1.2 Installation and Use Safety

- Only trained professionals may install the products.
- Do not insert and unplug (power cord plug) when the power is on.
- Ensure the safe grounding of the device.
- Built-in power supply supports 110 V to 220 V AC.
- Be careful about electric shock risk.
- Always wear a wrist band and insulating gloves.
- Do not place the products in an area having more or strong shake.

• Perform dust removing regularly.

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2.1 Introduction

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Zertoco.ttd. Xi' ando Second r olr Taurus series products are the second generation of multimedia players dedicated to small and media size LED full color display developed by NovaStar.

TB6 of the Taurus series products (herein after referred to as "TB6") 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
- Ltd. Xi' an Novae Dual-Wi-Fi mode
 - 4G module
 - Redundant backup

Note:

an NovaStar Tech C If the user has a high demand on synchronization, the time synchronization module is recommended. For details, please consult our technical staff.

In addition to program publishing and screen control via PC, mobile phones and LAN, the omnidirectional control plan also supports remote centralized publishing and monitorina.

If 4G network is required, please buy the 4G module based on the 4G network service requirements in the country or region, and install it in advance. , su No

Taurus series products can be widely used in LED commercial display field, such 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 Taurus' application cases is shown in T Taurus series products can be widely used in LED commercial display field, such as

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Table 2.2.1.1.1.1.1.1 Ap	plication
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Ltd.	P		
Tech Co., Ltd.	Table 2.2.1.1.1.1.	1.1 Application	3nh
	Classification	Description	.01
	Market type	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. 	
		 Commercial display: To display commercial information of hotel, cinema and shopping mall, such as chain store screens. 	
	Networking mode	• Independent screen: Use a PC or the client software of a mobile phone to enable single-point connection and management of a screen.	
C	tarTech	 Cluster screen: Use the cluster solution developed by NovaStar to realize centralized management and monitor of multiple screens. 	
NOVO	Connection	Wired connection: A PC connects to Taurus through the Ethernet cable or LAN.	
d. Xi' an Nova		 Wi-Fi connection: PC, Pad and mobile phone can connect to Taunus through Wi-Fi, which can be enabled in the case without PC in conjunction with ViPlex software. 	, Tect
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		b Co., Ltd	
		C.O., L.C.	

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Brefeatures , SU MONE 3.1 Synchronization mechanism for multi-screen playing

The TB6 support switching on/off function of synchronous display.

When synchronous display is enabled, the same content can be played on different displays synchronously if the time of different TB6 units are synchronous with one another and the same program is being played.

3.2 Powerful Processing Capability Ltd. Xi

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The TB6 features powerful hardware processing capability:

- 1.5 GHz eight-core processor.
- Xi' an NovaStar Tech C Support for H.265 4K high-definition video hardware decoding playback.
- Support for 1080P video hardware decoding.
- 2 GB operating memory and 8 GB internal storage space.

3.3 Omnidirectional Control Plan

Table 3.3.1.1.1.1.1 Control Plan

	Table 3.3.1.1.1.1.1		Co., Ltd.	~
	Control Plan	Connecting Mode	Client Terminal	Related Software
	Program publishing and screen control through PC	Connection via network line Connection via Wi-Fi	PC	ViPlex Express NovaLCT
Tech Co.	Program publishing and screen control through LAN	Connection via LAN	PC	ViPlex Express NovaLCT
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Control Plan	Connecting Mode	Client Terminal	Related Software
Program publishing and screen control through mobile phone	Connection via Wi-Fi	Mobile phone and Pad	ViPlex Handy
Cluster remote program publishing and screen control	Wi-Fi AP+Sta/wired/4G	Mobile phone, Pad and PC	VNNOX ViPlex Handy ViPlex Express
Cluster remote monitoring	Wi-Fi AP+Sta/wired/4G	Mobile phone, Pad and PC	NovaiCare ViPlex Handy ViPlex Express

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- More efficient: Use the cloud service mode to process services through a uniform platform. For example, VNNOX is used to edit and publish programs, and NovaiCare is used to centrally monitor display status.
 More reliable: Ensure the reliability based on active and standbrecovery mechanism and data backup mechanic
 More safe: Ensure the system fingerprint active

 - accessed through Web. As long بنايت بالعد accessed through Web. As long بنايت بالعد accessed through Web. As long viore effective: This mode is more suitable for the commercial mode of advertising industry and digital signage industry, and makes information spreading more effective.

3.4 Synchronous and Asynchronous Dual-Mode

The TB6 supports synchronous and asynchronous dual-mode, allowing more application cases and being user-friendly.

When internal video source is applied, the TB6 is in asynchronous mode; when HDMI-input video source is used, the TB6 is in synchronous mode. Content can be scaled and displayed to fit the screen size automatically in synchronous mode.

Users can manually and timely switch between synchronous and asynchronous modes, as well as set HDMI priority.

3.5 Dual-Wi-Fi Mode NovaStar Ter

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The TB6 have permanent Wi-Fi AP and support the Wi-Fi Sta mode, carrying advantages as shown below:

Completely cover Wi-Fi connection scene. The TB6 can be connected to through Ltd. self-carried Wi-Fi AP or the external router.

• Completely cover client terminals. Mobile phone, Pad and PC can be used to log in TB6 through wireless network.

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Require no wiring. Display management can be managed at any time, having improvements in efficiency.

TB6's Wi-Fi AP signal strength is related to the transmit distance and environment. Users can change the Wi-Fi antenna as required.

3.5.1 Wi-Fi AP Mode

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Users connect the Wi-Fi AP of a TB6 to directly access the TB6. The SSID is "**AP** + *the last 8 digits of the SN*", for example, "**AP10000033**", and the default password is "**12345678**".



3.5.2 Wi-Fi Sta Mode

Sta Mode Configure an external router for a TB6 and users can access the TB6 by connecting the external router. If an external router is configured for multiple TB6 units, a LAN can be created. Users can access any of the TB6 via the LAN.



NovaiCare can realize remote program publishing and remote monitoring respectively through the Internet.



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When mobile data network is enabled for client software ViPlex and priority.

3.7 Redundant Backup

TB6 support network redundant backup and Ethernet port redundant backup.

Network redundant backup: The TB6 automatically selects internet connection mode among wired network, Wi-Fi Sta or 4G network according to the priority.

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Ethernet port redundant backup: The TB6 enhances connection reliability through active and standby redundant mechanism for the Ethernet port used to connect with the receiving card. NovaStar Tech Co., Ltd.



Table 4.1.1.1.1.1.1.1	Description of	TB6 front panel
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	Note: Product images actual products shall p	provided in this document are for reference only, and the
		provided in this document are for reference only, and the prevail. escription of TB6 front panel
	Name	Description
	PWR	Power status indicator
		Always on: Power input is normal.
	SYS	System status indicator • Flashing once every 2 seconds: The
	Xi ant	 Flashing once every 0.5 second: The system is downloading data from the Internet.
	Xi' 30	 Always on/off: The system is operating abnormally.
		Internet connection status indicator
soch Co.	Let	 Always on: The unit is connected to the Internet and the connection status is normal.
NovaStar Tech Co.		Flashing once every 2 seconds: The unit is connected to VNNOX and the connection status is normal.
	RUN	FPGA status indicator
		FPGA status indicator
		STONSESTST

Name	Description	
	Same as the signal indicator status of the sending card: FPGA is operating normally.	
SIM CARD	SIM card tray	
SWITCH	Button for switching between synchronous and asynchronous modes Always on: Synchronous mode Off: Asynchronous mode	
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4.1.2 Rear Panel

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Figure 4.1.2.1.1.1.1 Rear panel of the TB6



Note: Product images provided in this document are for reference only, and the actual products shall prevail.

Lid. Xi	Table 4.1.2.1.1.1.1 Descriptio Name TEMP LIGHT	Description Temperature sensor port
	WiFi-AP	Light sensor port Wi-Fi AP antenna port
	WiFi-STA	Wi-Fi Sta antenna port
	4G	4G network antenna port
TechCo	ETHERNET Ltd. Xi ' an Novas USB HDMI	 Gigabit Ethernet port Indicator status: Yellow indicator always on: The unit is connected to 100M Ethernet cable and the status is normal. Green and yellow indicators always on at the same time: The unit is connected to Gigabit Ethernet cable and the status is normal.
Star	USB	USB 2.0 port
NONge	HDMI	IN: HDMI 1.4 input OUT: HDMI 1.4 output
		• OUT: HDMI 1.4 output

Name	Description
AUDIO OUT	Audio output
RESET	Factory reset button
	Press and hold the button for 5 seconds to reset the unit to factory settings.
LED OUT	Output Ethernet port
ON/OFF	Power switch
100-240V~,50/60Hz	Power input
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4.2 Dimensions

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Unit of the dimension chart is "mm". Ground connection is enabled for location hole (GND).C



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5.1 System Software

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- Android operating system software
- Android terminal application software
- **FPGA** program

Note: The third-party applications are not supported.

5.2 Related Configuration Software

	Software	elated configuration software Description	
	ViPlex Handy	Mobile phone client software of the TB6 includes Android and iOS which are mainly used for screen management, editing, and program publishing.	
	ViPlex Express	PC client software of the TB6 only includes Windows which is mainly used for screen management, editing, and program publishing.	
	NovaLCT	Display screen configuration software works in Windows only, and is used to adjust screens to the best display status.	
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5 Software Structure

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	Item	Sub-Item	Specifications	
Ltd. Xi' an Novas	Physical specifications	Dimensions (W x D x H)	278.5 mm x 148.5 mm x 45.0 mm	arTech
		Weight	1352.1 g	
		Input power supply	100 V–240 V AC	
		Rated power consumption	15 W	
		Storage temperature	0°C–50°C	
		Storage humidity	0% RH–80% RH	
		Operating temperature	-40°C–80°C	
		Operating humidity	0% RH-80% RH	
		Operating memory	2 GB	3/
		Internal storage space	8 GB	_
	Packing information	Dimensions (W x D x H)	375 mm x 280 mm x 108 mm	_
		List	• TB6 LED multimedia player x 1	
		List	Columned Wi-Fi omnidirectional antenna x 2	
		NOVSStal	One flat 4G network antenna x 1	
	, ti s		One AC power cord x 1	
	Characteristics	maximum	 Support 1.3 megapixel loading capacity, with maximum width of 4096 pixels and maximum height of 1920 pixels. 	
		Support	2-primary 2-standby Ethernet port the the the the the the the the the th	
			dual-Wi-Fi, and features Wi-Fi AP i Sta functions.	Ki'
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