



## USER MANUAL

V2P-12  
V2P-12 LINK



**LED POSTER, PITCH 2.5MM 5.77' X 2.09'**  
**NOVASTAR WIRELESS CONTROLLER**



**Thank you for the purchase of your BLASTKING LED Poster.  
We know you have a world full of choices and we thank you for selecting us.**

Please read this entire user manual before operating this humidistat unit

All BlastKing® products purchased in the USA are protected under the regular manufacturer's three year warranty.

This warranty is intended to protect customers from any and all manufacturer defects from three years of purchase.

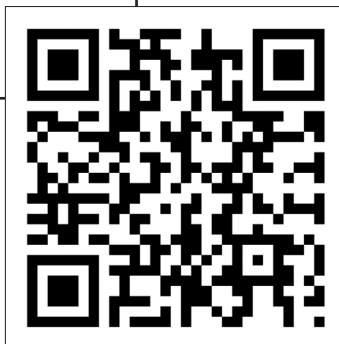
The product will be replaced or repaired at the manufacturer's discretion upon receipt of the warranted unit along with a dated proof of purchase from an authorized dealer or distributor. This warranty becomes null and void under situations including but not limited to misuse, normal wear and tear, shipping damage and abuse. For international purchases, please contact your local dealer or sales associate for further warranty information.

For your own personal safety, please read and understand this manual completely before you attempt to install or operate this unit!

- To reduce the risk of electrical shock or fire, do not expose this unit rain or moisture
- Do not spill water or other liquids into or on to your unit.
- Be sure that the local power outlet match that of the required voltage for your unit.
- Do not attempt to operate this unit if the power cord has been frayed or broken.
- Do not attempt to remove or break off the ground prong from the electrical cord. This prong is used to reduce the risk of electrical shock and fire in case of an internal short.
- Disconnect from main power before making any type of connection.
- Do not remove the cover under any conditions. There are no user serviceable parts inside.
- Never operate this unit when it's cover is removed.
- Do not attempt to operate this unit, if it becomes damaged.
- This unit is intended for indoor use only, use of this product outdoors voids all warranties.
- Always mount this unit in safe and stable matter.
- Power-supply cords should be routed so that they are not likely to be walked on or pinched by items placed upon or against them, paying particular attention to cords at plugs, convenience receptacles, and the point where they exit from the appliance.
- Heat - This fixture should be situated away from heat sources such as radiators, heat registers, stoves, or other appliances (including amplifiers) that produce heat.
- The fixture should be serviced by qualified service personnel when:
  - A. Objects have fallen, or liquid has been spilled into the appliance.
  - B. The appliance has been exposed to rain or water.
  - C. The appliance does not appear to operate normally or exhibits a marked change in performance.

**For manufacture warranty please register this product online at**

**<http://blastking.com/product-registration/>**



This manual does not contain all the information about the design, production and changes of the equipment, and does not cover all the conditions that may occur during installation, use and maintenance.

The information provided in this manual is accurate at the time of delivery. It may have changed due to product updates.

## SPECIFICATIONS

V2P-12 / V2P-12 LINK	
Pixel Pitch	2.5 mm
Screen Size	640 x 1760 mm
Resolution	256 x 768 px
Power Consumption	990 / 390 W
Contrast Ratio	8000:1
Viewing Angle (H/V)	160° / 160°
Brightness (Nits/m <sup>2</sup> )	>1000
LED's	Nationstar
Protection	IP40
Operating Temperature	-10°C + 45° / 10 - 90% Humidity
Refresh Rate	>3840 Hz
Power	110-220V AC / 50-60 Hz
Lighting Lifespan	+100,000 hours
Physical Specifications	
Height	72.58" / 1843.6mm
Width	25.73" / 653.6mm
Depth	1.97" / 50mm
Weight	104 lb / 47.2 kg
Package	
Height	76.93" / 1954mm
Width	30.67" / 784mm
Depth	8.98" / 228mm
Weight	132 lb / 59.8 kg

## TAURUS SERIES MULTIMEDIA PLAYER TB2-4G / V2P-12

### FEATURES

- Loading capacity up to 650,000 pixels with a maximum width of 1920 pixels and a maximum height of 1080 pixels
- 1x Gigabit Ethernet output
- 1x Stereo audio output
- 1x HDMI 1.3 input, accepting HDMI input and allowing content to auto fit to screen
- 1x USB 2.0, capable of playing solutions imported from a USB drive
- 1x USB Type B, capable of connecting to a PC  
Connecting this port to a PC allows users to configure screens, publish solutions, etc. with NovaLCT and ViPlex Express.
- Powerful processing capacity
  - 4 core 1.2 GHz processor
  - Hardware decoding of 1080P videos
  - 1 GB of RAM
  - 32 GB of internal storage
- All-round control plans
  - Solution publishing and screen control via user terminal devices such as PC, mobile phones and tablets
  - Remote cluster solution publishing and screen control
  - Remote cluster screen status monitoring
- Synchronous and asynchronous modes
  - When the internal video source is used, the TB2-4G (Optional 4G) works in asynchronous mode.
  - When the HDMI video source is used, the TB2-4G (Optional 4G) works in synchronous mode.
- Built-in Wi-Fi AP
  - User terminal devices can connect to the built-in Wi-Fi hotspot of the TB2-4G (Optional 4G).
  - The default SSID is "AP+Last 8 digits of SN" and the default password is "12345678".
- Support for 4G modules
  - The TB2-4G (Optional 4G) ships without a 4G module. Users have to purchase 4G modules separately if needed.
  - Wired network is prior to 4G network. When both of the networks are available, the TB2-4G (Optional 4G) will choose signals automatically according to the priority.

## SPECIFICATIONS

Electrical Parameters	Input voltage	DC 5 V 12V
	Maximum power consumption	15 W
Storage Capacity	RAM	1 GB
	Internal storage	32 GB (28 GB available)
Storage Environment	Temperature	-40°C to +80°C
	Humidity	0% RH to 80% RH, non-condensing
Operating Environment	Temperature	-20°C to +60°C
	Humidity	0% RH to 80% RH, non-condensing
IP Rating	IP20 Please prevent the product from water intrusion and do not wet or wash the product.	
System Software	<ul style="list-style-type: none"> <li>• Android operating system software</li> <li>• Android terminal application software</li> <li>• FPGA program</li> </ul> Note: Third-party applications are not supported.	



Description	
SWITCH	Dual-mode switching button <ul style="list-style-type: none"> <li>Green staying on: Synchronous mode</li> <li>Off: Asynchronous mode</li> </ul>
SIM CARD	SIM card slot
PWR	Power indicator Staying on: The power supply is working properly.
SYS	System indicator <ul style="list-style-type: none"> <li>Flashing once every 2 seconds: The Taurus is functioning normally.</li> <li>Flashing once every second: The Taurus is installing the upgrade package.</li> <li>Flashing once every 0.5 second: The Taurus is downloading data from the Internet or copying the upgrade package.</li> <li>Staying on/off: The Taurus is abnormal.</li> </ul>
CLOUD	Internet connection indicator <ul style="list-style-type: none"> <li>Staying on: The Taurus is connected to the Internet and the connection is available.</li> <li>Flashing once every 2 seconds: The Taurus is connected to VNNOX and the connection is available.</li> </ul>
RUN	FPGA indicator <ul style="list-style-type: none"> <li>Flashing once every second: No video signal</li> <li>Flashing once every 0.5 second: The FPGA is functioning normally.</li> <li>Staying on/off: The FPGA is abnormal.</li> </ul>
HDMI IN	1x HDMI 1.3 Video input connector in synchronous mode Content can be scaled and displayed to fit the screen size automatically in synchronous mode. Requirements of full screen zoom in synchronous mode: <ul style="list-style-type: none"> <li>64 pixels ≤ Video source width ≤ 2048 pixels</li> <li>Allows images to be zoomed in only</li> </ul>
USB 1	1x USB 2.0 Imports solutions from a USB drive for playback Only the FAT32 file system is supported and the maximum size of a single file is 4 GB.
ETHERNET	Fast Ethernet port Connects to the network or control PC.
WiFi-AP	Wi-Fi antenna connector
4G	4G antenna connector

## AUDIO AND VIDEO DECODER SPECIFICATIONS

### Image

Category	Codec	Supported Image Size	File Format	Remarks
JPEG	JFIF file format 1.02	48x48 pixels~8176x8176 pixels	JPG, JPEG	No support for non-interlaced scan Support for SRGB JPEG Support for Adobe RGB JPEG
BMP	BMP	No Restriction	BMP	N/A
GIF	GIF	No Restriction	GIF	N/A
PNG	PNG	No Restriction	PNG	N/A
WEBP	WEBP	No Restriction	WEBP	N/A

### Audio

Category	Codec	Channel	Bit Rate	Sampling Rate	File Format	Remarks
MPEG	MPEG1/2/2.5 Audio Layer1/2/3	2	8Kbps~320Kbps CBR and VBR	8KHz~48KHz	MP1,MP2, MP3	N/A
Windows Media Audio	WMA Version 4/4.1/7/8/9, wma-pro	2	8Kbps~320Kbps	8KHz~48KHz	WMA	No support for WMA Pro, loss-less and MBR
WAV	MS-ADPCM, IMA-ADPCM, PCM	2	N/A	8KHz~48KHz	WAV	Support for 4bit MS-ADPCM and IMA-ADPCM
OGG	Q1~Q10	2	N/A	8KHz~48KHz	OGG, OGA	N/A
FLAC	Compress Level 0~8	2	N/A	8KHz~48KHz	FLAC	N/A
AAC	ADIF, ATDS Header AAC-LC and AAC-HE, AAC-ELD	5.1	N/A	8KHz~48KHz	AAC, M4A	N/A
AMR	AMR-NB, AMR-WB	1	AMR-NB 4.75~12.2kbps @8kHz AMR-WB 6.60~23.85Kbps @16KHz	8KHz, 16KHz	3GP	N/A
MIDI	MIDI Type 0/1, DLS version 1/2, XMF and Mobile XMF, RTTTL/RTX, OTA, iMelody	2	N/A	N/A	XMF, MXMF, RTTTL, RTX, OTA, IMY	N/A

## Video

Category	Codec	Supported Resolution	Maximum Frame Rate	Maximum Bit Rate (Ideal Case)	File Format	Remarks
MPEG-1/2	MPEG-1/2	48×48 pixels ~ 1920×1080 pixels	30fps	80Mbps	DAT, MPG, VOB, TS	Support for field coding
MPEG-4	MPEG4	48×48 pixels ~ 1920×1080 pixels	30fps	38.4Mbps	AVI, MKV, MP4, MOV, 3GP	No support for MS MPEG4 v1/v2/v3, GMC, and DivX3/4/5/6/7.../10
H.264/AVC	H.264	48×48 pixels ~ 1920×1080 pixels	1080P@60fps	57.2Mbps	AVI, MKV, MP4, MOV, 3GP, TS, FLV	Support for field coding and MBAFF
MVC	H.264 MVC	48×48 pixels ~ 1920×1080 pixels	60fps	38.4Mbps	MKV, TS	Support for Stereo High Profile only
H.265/HEVC	H.265/HEVC	64×64 pixels ~ 1920×1080 pixels	1080P@60fps	57.2Mbps	MKV, MP4, MOV, TS	Support for Main Profile, Tile & Slice
GOOGLE VP8	VP8	48×48 pixels ~ 1920×1080 pixels	30fps	38.4Mbps	WEBM, MKV	N/A
H.263	H.263	SQCIF (128×96), QCIF (176×144), CIF (352×288), 4CIF (704×576)	30fps	38.4Mbps	3GP, MOV, MP4	No support for H.263+
VC-1	VC-1	48×48 pixels ~ 1920×1080 pixels	30fps	45Mbps	WMV, ASF, TS, MKV, AVI	N/A
MOTION JPEG	MJPEG	48×48 pixels ~ 1920×1080 pixels	30fps	38.4Mbps	AVI	N/A



## TAURUS SERIES MULTIMEDIA PLAYER TB4 / V2P-12 LINK

### FEATURES

- Loading capacity up to 1,300,000 pixels with a maximum width of 3840 pixels and a maximum height of 4080 pixels
- 2x Gigabit Ethernet output
- 1x HDMI 1.3 output, allowing for HDMI Loop
- 1x HDMI 1.3 input, accepting HDMI input and allowing content to auto fit to screen
- 2x USB 2.0, capable of playing solutions imported from a USB drive
- On-board brightness sensor connector, allowing for automatic and scheduled smart brightness adjustment
- Synchronous playback across multiple screens
- Powerful processing capacity
  - 4 core 1.6 GHz processor
  - Hardware decoding and playback of H.265 4K HD videos
  - Hardware decoding of 1080P videos
  - 2 GB of RAM
  - 32 GB of internal storage
- All-round control plans
  - Solution publishing and screen control via user terminal devices such as PC, mobile phones and tablets
  - Remote cluster solution publishing and screen control
  - Remote cluster screen status monitoring
- Synchronous and asynchronous modes
  - When the internal video source is used, the TB4 works in asynchronous mode.
  - When the HDMI video source is used, the TB4 works in synchronous mode.
- Built-in Wi-Fi AP
  - User terminal devices can connect to the built-in Wi-Fi hotspot of the TB4.
  - The default SSID is "AP+Last 8 digits of SN" and the default password is "12345678".
- Support for 4G modules
  - The TB4 ships without a 4G module. Users have to purchase 4G modules separately if needed.
  - Wired network is prior to 4G network. When both of the networks are available, the TB4 will choose signals automatically according to the priority.

## SPECIFICATIONS

Electrical Parameters	Input voltage	AC 100 V~240 V
	Maximum power consumption	18 W
Storage Capacity	RAM	2 GB
	Internal storage	32 GB (28 GB available)
Storage Environment	Temperature	-40°C to +80°C
	Humidity	0% RH to 80% RH, non-condensing
Operating Environment	Temperature	-20°C to +60°C
	Humidity	0% RH to 80% RH, non-condensing
IP Rating	IP20 Please prevent the product from water intrusion and do not wet or wash the product.	
System Software	<ul style="list-style-type: none"> <li>• Android operating system software</li> <li>• Android terminal application software</li> <li>• FPGA program</li> </ul> Note: Third-party applications are not supported.	



Description	
TEMP	Temperature sensor connector
LIGHT	Light sensor connector
WiFi-AP	Wi-Fi antenna connector
COM1	A reserved connector
COM2	A reserved connector
USB	2x USB 2.0 Imports solutions from a USB drive for playback Only the FAT32 file system is supported and the maximum size of a single file is 4 GB.
HDMI IN	1x HDMI 1.3 Video input connector in synchronous mode Content can be scaled and displayed to fit the screen size automatically in synchronous mode. Requirements of full screen zoom in synchronous mode: <ul style="list-style-type: none"> <li>• 64 pixels ≤ Video source width ≤ 2048 pixels</li> <li>• Allows images to be zoomed in only</li> </ul>
HDMI OUT	1x HDMI 1.3 HDMI 1.3 output, allowing for HDMI Loop
RESET	Factory reset button Press and hold this button for 5 seconds to reset the product to its factory settings.
LED OUT	2x Gigabit Ethernet output ports
ON/OFF	Power switch
100-240V~,50/60Hz	Power input connector

## VIDEO DECODER SPECIFICATIONS

### Image

Category	Codec	Supported Image Size	File Format	Remarks
JPEG	JFIF file format 1.02	48x48 pixels~8176x8176 pixels	JPG, JPEG	No support for non-interlaced scan Support for SRGB JPEG Support for Adobe RGB JPEG
BMP	BMP	No Restriction	BMP	N/A
GIF	GIF	No Restriction	GIF	N/A
PNG	PNG	No Restriction	PNG	N/A
WEBP	WEBP	No Restriction	WEBP	N/A

### Video

Category	Codec	Supported Resolution	Maximum Frame Rate	Maximum Bit Rate (Ideal Case)	File Format	Remarks
MPEG-1/2	MPEG-1/2	48x48 pixels ~ 1920x1080 pixels	30fps	80Mbps	DAT, MPG, VOB, TS	Support for field coding
MPEG-4	MPEG4	48x48 pixels ~ 1920x1080 pixels	30fps	38.4Mbps	AVI, MKV, MP4, MOV, 3GP	No support for MS MPEG4 v1/v2/v3, GMC, and DivX3/4/5/6/7.../10
H.264/AVC	H.264	48x48 pixels ~ 4096x2304 pixels	4K@25fps, 1080P@60fps	100Mbps	AVI, MKV, MP4, MOV, 3GP, TS, FLV	Support for field coding and MBAFF
MVC	H.264 MVC	48x48 pixels ~ 1920x1080 pixels	60fps	38.4Mbps	MKV, TS	Support for Stereo High Profile only
H.265/HEVC	H.265/HEVC	64x64 pixels ~ 4096x2304 pixels	4K@60fps, 1080P@60fps	100Mbps	MKV, MP4, MOV, TS	Support for Main Profile, Tile & Slice
GOOGLE VP8	VP8	48x48 pixels ~ 1920x1080 pixels	30fps	38.4Mbps	WEBM, MKV	N/A
H.263	H.263	SQCIF (128x96), QCIF (176x144), CIF (352x288), 4CIF (704x576)	30fps	38.4Mbps	3GP, MOV, MP4	No support for H.263+
VC-1	VC-1	48x48 pixels ~ 1920x1080 pixels	30fps	45Mbps	WMV, ASF, TS, MKV, AVI	N/A
MOTION JPEG	MJPEG	48x48 pixels ~ 1920x1080 pixels	30fps	38.4Mbps	AVI	N/A





[blastking.com](http://blastking.com)

2980 NW 74th Ave.  
Miami, FL 33122  
Phone: (305) 591-8930