

PTT-100 PTZ TOUCH PANEL

OPERATIONS MANUAL

Version 1.0

August 2017

Safety Precautions

Caution

Read Instructions: Read and understand all safety and operating instructions before using the equipment.

Retain Instructions: The safety instructions should be kept for future reference.

Follow Warnings: Follow all warnings and instructions marked on the equipment or in the user information.

Avoid Attachments: Do not use tools or attachments that are not recommended by the equipment manufacturer because they may be hazardous.

Warning

Power Sources: This equipment should be operated only from the power source indicated on the product.

Servicing: Refer all servicing to qualified service personnel. There are no user-serviceable parts inside. To prevent the risk of shock, do not attempt to service this equipment yourself because opening or removing covers may expose you to dangerous voltage or other hazards.

Slots and Openings: If the equipment has slots or holes in the enclosure, these are provided to prevent overheating of sensitive components inside. These openings must never be blocked by other objects.

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1.0 INTRODUCTION

1.1 Overview

The PTT-100 PTZ Touch Panels offer simple touch based camera control operation with the VoteLynx XLG Meeting Management System. The PTT-100 PTZ Touch Control Panel connects to an Energize or VoteLynx controller to easily control up to 16 robotic cameras. The simple, straightforward design provides unified remote control of camera robotics and camera shading. An intuitive 4.3" touchscreen display quickly guides operators through control and configuration selections.

The PTT-100 supports many PTZ cameras & robotics including Hitachi, Panasonic, Pelco, Sony and Telemetrics, Vaddio and others using the Energize Dynamic Control technology.

1.2 Features

- Three axis proportional joystick for variable speed control of Pan/Tilt/ Zoom operations
- Vivid 4.3" LCD color touch screen to select cameras, camera shading, pan tilt and preset operations
- Fully articulated LCD display mount
- Camera Control Functions: Auto/Manual Iris Selection, White & Black Balance, Camera/Color Bars Selection, Low/Normal/Mid/High Gain Selection, Red & Blue Gain, Red & Blue Black Level, Red & Blue Gamma Level, Video Gain, Master Black Level, Gamma Level, Detail Level, Save and Recall Scenes
- Pan, Tilt & Lens Control Functions: Pan, Tilt, Zoom, Iris, Focus Control; Save & Recall Presets, Pan and Tilt Limits, Pan, Tilt, Zoom Speed Settings; Power On/Off; Wiper On/Off/Pulse; Washer, Heater On/Off
- Video Switcher Control: Select sources on video routing switcher for quick preview and shading, take camera to air
- Dedicated optical rotary encoder knobs for Iris and Focus with preset pushbutton switches
- Optical rotary encoder knob to adjust selected camera shading or pan tilt setup function
- Supports up to 16 cameras, four scenes per camera, eight PTZ presets per camera

1.3 Using This Manual

- *Note:* Important information that you should read or be familiar with in order to understand the material being presented next.
- *Tip:* A suggestion that will show a shortcut or specific information that will help you understand or best use the ControLynx system.
- Indicates that an action on your part is required in the step by step process of configuring or operating the hardware or software. This may mean setting a jumper, moving the mouse or pressing a key on the keyboard.

1.4 Contacting INTENT DIGITAL

Technical Support

You may contact **INTENT DIGITAL** directly for technical support by phone, FAX or letter or email. Please feel free to contact us at:

INTENT DIGITAL Inc.

3104 E. Camelback Road Suite 445 Phoenix, AZ 85016 Voice: 602-404-0100 Fax: 602-324-4629 www.intentdigital.com www.votelynx.com

Comments and Suggestions

We at **INTENT DIGITAL** would like to encourage you to send comments, questions and suggestions regarding our product line. Please feel free to contact us at the above address.

1.5 Warranty

For a period of one year from the date of purchase as shown on the sales invoice, **INTENT DIGITAL** warrants to the original purchaser that the VoteLynx module, (the "Product") is free from defects in material and workmanship when subjected to normal use and service. If during this one year period, such a defect due to faulty workmanship or materials should occur, the Product will be repaired or replaced (at **INTENT DIGITAL's** discretion) free of charge after the Product is returned, shipping prepaid, to **INTENT DIGITAL**. Units returned for warranty service must be shipped prepaid to **INTENT DIGITAL** for repair or replacement.

Purchaser's exclusive remedy, and **INTENT DIGITAL's** sole obligation for any and all causes of action, claims, loss, property damage, personal injury, or liability, resulting from or related to any malfunction, interruption, or loss of use of the Product or related system is limited to the repair or replacement of the Product under the limited warranty provided herein. **INTENT DIGITAL** shall not be liable for any consequential damages (even if advised of the possibility of the same) or incidental liability or loss. In no event under any legal theory of liability shall **INTENT DIGITAL's** liability for any and all claims arising under or related to this Agreement exceed the purchase price of the Product.

2.0 INSTALLATION & OPERATION

2.1 Getting Started

SUPPLIED HARDWARE AND CABLES

Check to make sure that you have received the following equipment and accessories with each Vote Panel.

• PTT-100 Desktop Vote Panel

If any of these items is missing please contact **INTENT DIGITAL** immediately for replacement.

2.2 Switches & Indicators

FRONT PANEL LCD SCREEN

REAR CHASSIS SWITCHES AND INDICAORS

2.3 Cabling and Connectors

EQUIPMENT CONNECTIONS:

2.4 Initial Configuration

Plug the panel's Ethernet cable into network. From a PC connected to the network run the Lantronix DeviceInstaller software version 4.3 or higher. Software will discover any PTT-100 panels on the network. Select the panel to configure by double clicking on the desired device.

Click on the "Web Configuration" tab. Click the green arrow to access the configuration web page. If this is an initial configuration, the click OK while leaving the User Name and Password fields blank. Once the panel has been configured enter the default "2005" for password but leave the User Name field empty. Then click OK. The password can be changed at any time.

Network Configuration

- 1) Select Network from the internal web configuration menu.
- 2) Select "Use following IP Configuration:" option. Enter desired IP address, mask and gateway values.
- 3) Click OK button at bottom of page.

Channel 1 Serial Settings

- 1) Select Serial Settings under the Channel 1 item in the internal web configuration menu.
- 2) Set Protocol is RS232, no flow control, no parity, one stop bit, 8 Data bits.
- 3) Set baud rate to 115200.
- 4) Under "Flush Output Buffer":
 - i. Set With Active Connect to "Yes"
 - ii. Set With Passive Connect to "Yes"
- 5) Click OK button at bottom of page.

Channel 1 Connection Settings

1) Use the default settings

Server Configuration

- 2) Enter value of "2005" for Telnet password.
- 3) Click OK button at bottom of page.

Save Settings

1) Select the Apply Settings item from the menu. Progress bar will show update and indicate when saving device configuration is complete.

FRONT PANEL LCD SCREEN

Home Menu

Returns menu system back to top level menu Camera 1-16

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Select desired camera to control. If video switching is enabled on the VoteLynx XLG or Energize controller then the panel will also control the selected video bus. The controlled video bus can be set as:

- Production switcher's preview with Take function
- Production Switcher Aux bus
- Matrix or single output routing switcher bus

Cameras 1-8, Cameras 9-16

Selects camera bank 1-8 or 9-16.

Take

Executes a switcher take command when preview or preset cameras switching is enabled for the camera select buttons.

Camera Settings

Auto / Manual Iris

Selects whether to use auto or manual iris on the camera.

Auto / Manual Focus

Selects whether to manually focus the camera or enable continuous auto focus.

Camera Video

Display the camera video out of the video output

Color Bars

Display color Bars on the camera's video output

Low, Mid, Normal High Gain

Selectable gain settings for the camera. Note that not all cameras support all gain settings.

Camera Balance

White Balance

Push the White Balance button to automatically white balance the camera when in the Auto White mode.

Black Balance

Push the Black Balance button to automatically black balance the camera when in the Auto Black mode.

Auto / Manual Black

Select whether camera is in auto or manual black mode. In Auto Black mode, pushing the Black Balance button will automatically black balance the camera.

Auto / Manual White

Select whether camera is in auto or manual white mode. In Auto White mode, pushing the White Balance button will automatically white balance the camera.

Tracking White

Turn on Tracking White to allow camera to dynamically white balance the camera in real time based on lighting and scene conditions. Not available on all cameras.

Cam Vid Adjust

Red, Blue Gain

Use Data dial to adjust the camera's red and blue gains when in manual white mode.

Red, Blue Black

Use Data dial to adjust the camera's red and blue blacks when in manual black mode.

Red, Blue Gamma

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Use Data dial to adjust the camera's red and blue gammas when in manual video mode.

Video Gain

Use Data dial to adjust the camera's overall video gain. Note on some cameras this control interacts with four selectable gain settings.

Master Black

Use Data dial to adjust the camera's master black or pedestal level.

Gamma Level

Use Data dial to adjust the camera's overall gamma level.

Detail Level

Use Data dial to adjust the camera's detail level.

Camera Scenes

Save Scenes 1-4

Save current camera configuration to each of four scenes. Note that not all cameras support scenes.

Recall Scenes 1-4

Recall a camera configuration from one of four scenes. Note that not all cameras support scenes.

Camera Menus

Menus On / Off

Turns screen menu display on and off.

Cursor Up, Down, Left, Right

Move the on screen menu cursor as needed,

Select Item

Select an on screen menu item as highlighted by moving the cursor.

Pan Tilt Settings

Pan L/R Limits

Push button to set the pan left and pan right limits at the current pan position. Tilt U/D Limits

Push button to set the tilt up and down limits at the current tilt position.

Clear Limits

Clears all previously set pan and tilt limits.

Pan, Tilt, Zoom Speed

Allows user to rotate Data encoder dial to set maximum Pan, Tilt and Zoom Speeds when using the joystick.

Pan Tilt Functions

Power On/Off

Turns camera power On and Off.

Wiper On/Off

Turns camera enclosure's wipers on and off if so equipped.

Wiper Pulse

Push button to momentarily turn on the enclosure's wipers.

Washer Pulse

Push button to momentarily turn on the enclosure's washer.

Heater On/Off

Turns camera enclosure's internal heater on and off if so equipped.

Recall Presets

Recall Presets 1-8

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Recalls current settings from one of eight presets. Note that not all cameras support eight presets.

Save Presets

Save Presets 1-8

Save current settings to each of eight presets. Note that not all cameras support eight presets.

3.0 SPECIFICATIONS

3.1 PTT-100 PTZ Touch Panel Specifications

Controls	 (1) Three axis proportional joystick with integrated push button for control of Pan/Tilt/ Zoom (1) Spring loaded Zoom rocker (3) Optical rotary encoder knobs with integrated push button switch
Display	4.3" Diagonal TFT active matrix LCD touchscreen w/white LED backlight
Screen Resolution	480 x 272 pixels
Brightness	400 nits, LED backlight
LCD Colors	65,536 colors (16 bit)
Communication	10/100 Base-T Ethernet on RJ-45 connector or USB 2.0 cable attached to VoteLynx or Energize Controllers
Mounting	Desktop
Dimensions	14"W x 3.25"H x 9.62"D (Unit Base) 356mm W x 83mm H x 244mm D Up to 8.5"H (216mm) with LCD fully extended
Weight	3.5 lb; 1.59 Kg
Operating Temperature	32° F to 104° F, 0° C to 40° C
Storage Temperature	15° F to 140° F, -10° C to 60° C
Supply Voltage	IEEE-802.3af POE 5 Volts DC via USB 6-12 Volts DC via 3.5 mm Connector
Power Consumption	1.78 W

Specifications subject to change without notice

Operation of listed features may vary according to the capabilities of the connected camera and/or robotics equipment.