

# PTZCON

PAN, TILT AND ZOOM CONTROLLER



USER MANUAL



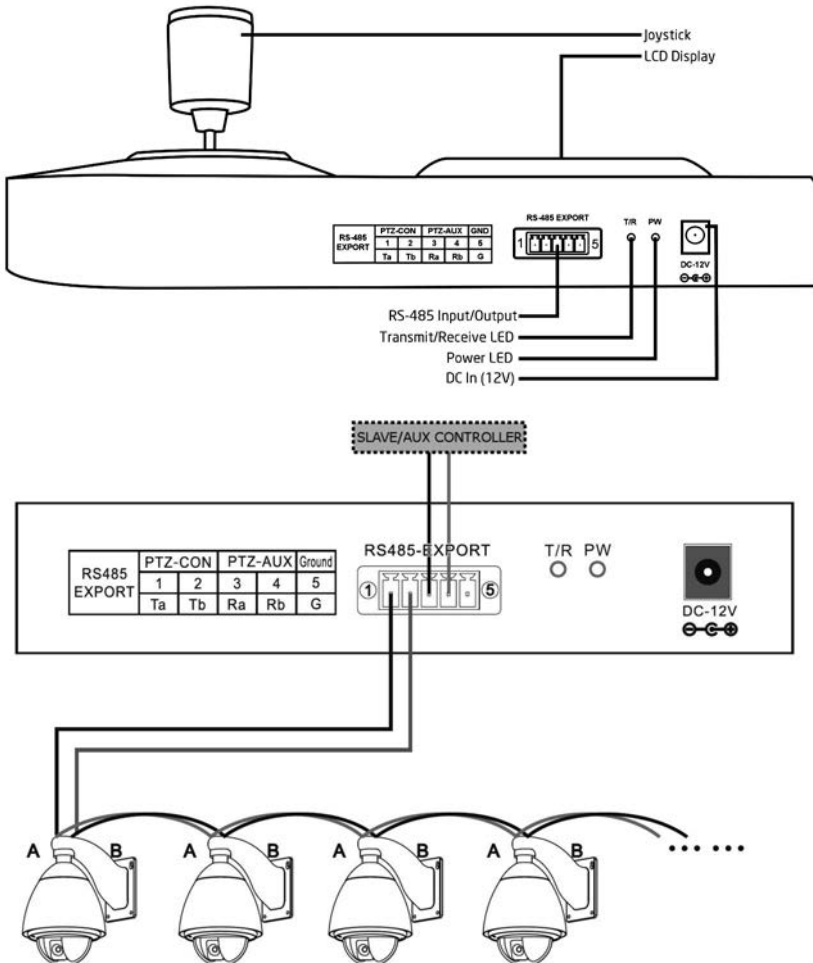
[www.espuuk.com](http://www.espuuk.com)

# Product Overview

## FEATURES

- Supports up to 255 PTZ cameras
- Multiple protocols and baud rates supported across multiple PTZ cameras
- LCD display
- Control lock feature to deny unauthorised use
- Supports Pelco-D, Pelco-P, Samsung, Panasonic and HikVision protocols
- Supports baud rates 1200, 2400, 4800, 9600, 19200

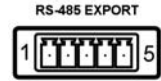
## INSTALLATION OVERVIEW



# Installation

It is highly recommended that a screened cable is used to connect the RS485 control wires from PTZ controller, or interference may occur.

RS-485 EXPORT	PTZ-CON		PTZ-AUX		GND
	1	2	3	4	5
	Ta	Tb	Ra	Rb	G



1. Connect Ta to the RS485+ on the PTZ camera(s)
2. Connect Tb to the RS485- on the PTZ camera(s)
3. Connect GND to the ground on the PTZ camera(s) if applicable
4. Connect the cable screen to GND
5. Set camera protocol(s) and baud rate(s)

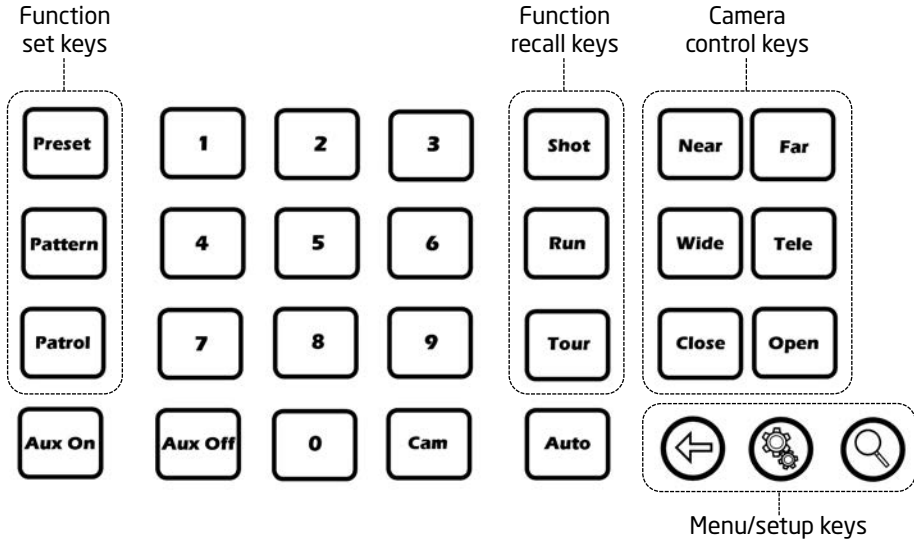
## KEYBOARD OVERVIEW

Button(s)	Function
	Define a preset camera position
	Record new movement pattern (will directly mimic user input)
	Set up a patrol route based on preset camera positions (positions must be defined by the user)
	Turn auxiliary PTZ controllers on or off
	Select PTZ camera ID (select a PTZ ID to control the associated camera)
	Recall preset position
	Recall pattern
	Recall patrol
	Set camera to auto pan mode (perimeter scan)
	Adjust camera focus
	Adjust camera zoom
	Close/open camera iris (for non-auto iris cameras)
	Menu/Esc button for navigating setup menu & key lock
	Show protocol and baud rate for current PTZ ID

# Keyboard Functions

## PLEASE NOTE

Availability of some features will depend on compatibility and specification of your PTZ camera. Some controller functions may not be supported by your PTZ camera, please check with the product manufacturer.



## MENU/SETUP KEYS



**Menu:** Hold for 3s to enter setup/configuration menu. Enter password (default 8888) See page 5 for further details.



**Back:** Escape to previous menu/exit menu. Press once during normal operation to lock keys (will not work in menu).



Show protocol and baud rate for current PTZ ID.

## FUNCTION SET KEYS



To store a preset camera position, press (0-255)+[Preset].



To record a predefined movement pattern, press for 3s. All camera movements will be recorded exactly as per user input. Press again to stop recording.



To set up a patrol points at preset camera positions, presets must be defined first (see Preset button).




Press [Patrol], choose the first preset position (0-255) then push joystick downwards to choose dwell time (0-255) then push joystick downwards to select movement speed (0-99), and push the joystick downwards to setup the next point in the patrol.

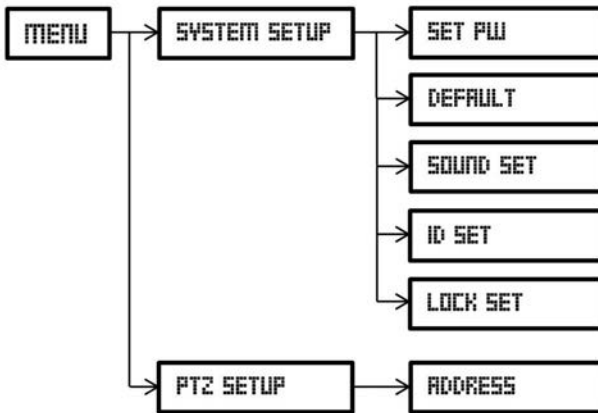
Once all points in the patrol have been set, press [Patrol] +


## FUNCTION RECALL KEYS

- Shot** To recall a specific preset camera position, press (0-255) + [Shot]
- Run** Press to run recorded pattern.
- Tour** To recall a specific patrol tour, press (0-255)+[Patrol]

## Configuration menu

To enter menu press  for 1s then enter password (default 8888)  
Use the joystick up/down to navigate through menu tree  
Use the joystick left/right to alter the current value where applicable  
Press  to confirm/select, press  to escape/go back




Menu Item	Explanation
SET PW	Set 4-digit PIN to lock keypad
DEFAULT	Restore factory default settings
SOUND SET	Key tones on/off
ID SET	Set keyboard ID (when using multiple controllers)
LOCK SET	Toggle key lock on/off
ADDRESS	Sets protocol and baud rate for each PTZ camera. Push joystick left/right to select camera ID then press Push joystick up/down to change between protocol/baud rates, push joystick left/right to alter values. Press  to confirm.

## Key Lock Function

Key lock must be enabled from the menu (see page 5)

Key lock can only be engaged if not in setup menu.

Press  then enter password PIN to lock keyboard. Repeat process to unlock.

To reset a lost password, please call ESP Technical Support on 01527 51 51 50.

## Warnings

Do not disassemble product, warranty will become void.

Only for use indoors in environments <95% humidity

Only use the supplied 12V PSU



# Technical Specifications

Protocol	Pelco-P, Pelco-D, Panasonic, HikVision, Samsung, RULE, Dahua, SAE
Baud rate (bps)	1200, 2400, 4800, 9600, 19200
Max camera support	255
Controllers supported	16 in total (15 auxiliary)
Power supply	DC 12V±10%
Power consumption	6W MAX
Working temperature	0°C-50°C
Dimension	420 x 260 x 170mm

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