

**The new 22x PTZ module for the
Pan, Tilt and Zoom ranges of domes.**

Camera Instruction Manual.



1. OSD Navigation.

The way to navigate to the menu options is dependant on the model of PTZ that the module has been installed in.

1.1 The PTZ300 and PTZ500 Series.

When the module is installed in the PTZ300 and PTZ500 series the OSD menu is accessed by **CALL 57** from a keypad that is connected to the PTZ via RS485 comms.

Navigation is done by the **TELE & WIDE** buttons and selection is made with the **NEAR & FAR** buttons.

To exit the OSD menu use **CALL 57** on the keypad.

1.2 The PTZ400 and PTZ600 Series.

When the module is installed in the PTZ400 and PTZ600 series the OSD menu is accessed by **CALL 95** from a keypad that is connected to the PTZ via RS485 comms.

This will enter the menu system of the PTZ. Go to the **CAMERA MENU**, navigation is done by the joystick **UP & DOWN** and selection is made by moving the joystick **RIGHT**. Once in the camera menu go to the **MENU OF CAM** option and move the joystick **RIGHT**. Now you are in the module menu, navigation is done by the **TELE & WIDE** buttons and selection is made with the **NEAR & FAR** buttons.

To exit the OSD menu press the **CLOSE** button on the keypad.

2. The module Menu Structure.

Once in the menu system of the camera module the following options are available.

MENU OF CAM

- 1. BACKLIGHT (OFF,ON)
- 2. SLOW SHUTTER (OFF or 2 to 128)
- 3. DAY/NIGHT (OFF,ON,AUTO)
- 4. WB CONTROL (PUSH,AUTO)
- 5. SHUTTER (AUTO)
- 6. CAMERA ID (NUMERIC 3 DIGIT 000 to 255)
- 7. ZOOM START (x001 to x022)
- 8. ZOOM STOP (x001 to x220)
- 9. BRIGHTNESS (1 to 48)
- 10. SHARPNESS (0 to 18)
- 11. FOCUS (PUSH or AUTO)
- 12. INIT SET (OFF or ON)

BACKLIGHT Used to switch backlight compensation on or off. This can be used to improve image quality when the light behind the object causes the object to appear dark or dim.

SLOW SHT This setting allows the module to slow the shutter speed down or to turn the slow shutter off. The range of shutter speeds range from 2 to 128.

DAY/NIGHT This option is used to set the module to either switch automatically between day and night mode depending upon the level of light available. (AUTO) will stay in colour during the day and switch to black & white at night, (OFF) will stay in colour mode and (ON) will stay in black and white mode.

WB CONTROL This option is used to determine how the white balance is controlled by the module. When set to AUTO the module will automatically alter the white balance in relation to the amount of light in the image, whereas when set to PUSH the module will only set the white balance once when the camera has moved into position.

SHUTTER Always set to AUTO.

CAMERA ID A numeric identifying number between 0 and 255 which is then displayed on the screen.

ZOOM START This option is the setting of the minimum zoom that the module will allow x1 to x22. For example if this is set to x5 the operator will not be able to use the x1 to x4 modes when using the WIDE & TELE buttons.

ZOOM STOP	This option is the setting of the maximum zoom that the module will allow x1 to x220. For example if this is set to x22 the operator will only be able to zoom to the limit of the optical zoom and not the digital zoom up to x300.
BRIGHTNESS	This alters the brightness of the image output from the module from 0 to 48, where 0 is the darkest and 48 the brightest.
SHARPNESS	This adjusts the sharpness of the image from 0 (low) to 15 (high).
FOCUS MODE	When set to PUSH the camera module will do a single push to focus the camera and will not try to refocus after the initial push. When set to AUTO the camera will automatically focus.
INIT SET	When switched ON this option will reset all of the options within the menu back to their factory default setting.