Model Number:
PT30X-SDI-GY-G2 (gray)
PT30X-SDI-WH-G2 (white)
http://ptzoptics.com/sdi/

PTZOPTICS
Broadcast & Conference Camera

The PTZOptics 30X-SDI is a 1080p camera with 30X optical zoom for capturing HD images at long distances. With support for 3G-SDI, HDMI, and IP streaming (H.264, H.265, & MJPEG), this camera is ideal for broadcasting high definition video signals for broadcast, recording, or video conferencing applications.

KEY FEATURES

- 60.7 degree wide-angle lens.
- High performance in low light scenarios with Wide Dynamic Range.
- Full 1920x1080p HD Resolutions up to 60 frames per second.
- 2D and 3D noise reduction with our latest "low noise CMOS sensor".
- RS232 & RS485 (Serial), and IP control
- H.264, H.265, & MJPEG streaming over RJ-45 LAN port
- HDMI, 3G-SDI, & IP streaming (all 3 simultaneously)
- PoE (Power over Ethernet) or 12VDC
- RTMP & RTSP IP streaming
- 5-year warranty
- Photobooth capable

WHAT'S IN THE BOX

30X Zoom 3G-SDI Camera
Power Adapter + Cord
IR Remote Control
RS-232C Cable
Quick Start Guide
(2) AAA Batteries

Camera & Lens	
Video Sensor	1/2.7" CMOS, 2.07 Mega Pixels
Frame Rates	1080p-60*/50/30/25, 1080i-60*/50, 720p-60/50/30/25
Frame Rates (CVBS)	576i/30, 480i/30
Focal Length	F4.42mm-132.6mm, F1.8-F2.8
Lens Zoom	30x
Field of View	60.7°
Min Lux	0.05 Lux (@F1.8, AGC ON)
Shutter Speed	1/30s - 1/10000s
SNR	≥55dB
Vertical Flip & Mirror	Supported
Horizontal Angle of View	2.28° (tele) to 60.7° (wide)
Vertical Angle of View	1.28° (tele) to 34.1°(wide)
Working Environment	Indoor

Pan & Tilt Movement	
Pan Movement	±170°
Tilt Rotation	Up: 90°, Down: 30°
Presets	10 via IR (255 via Serial or IP)

Rear Board Connectors	
Video Output	HDMI, 3G-SDI, IP Streaming, CVBS
Network Interface	RJ45
Audio Interface	Line In, 3.5mm (HDMI & IP Stream
Communication	RS-232, RS485, PELCO-D/P, VISCA
Baud Rate	2400/4800/9600 bits
Power Supply	JEITA type Power Adapter (DC IN
3G-SDI Interface	BNC – 75 Ohm, Female
USB 2.0 Interface	Future Use

Electrical Index	
Power Supply	12W (Max)
Input Voltage	12V DC (10.8 - 13.0V DC) or PoE

Physical Specifications	
Dimension (in.)	5.6W x 6.5H x 6.7D (7.8H max w/ Tilt)
Dimensions (mm)	142W x 164H x 169D (198H max w/
Box Dimensions	9" x 9" x 10"	229mm x 254mm x
Camera Weight	3.05 lbs. (1.39 kg)
Boxed Weight	5.4 lbs. (2.45 kg)

*Please note: The camera is unable to perform 1080@60 over IP Stream & SDI/HDMI simultaneously.

1. Standby Button

Press this button to enter standby mode. Press it again to enter normal mode. NOTE: Power consumption in standby mode

is approximately half of the normal mode.

2. Position Buttons (0-9)

To set preset or call presets and for Special Shortcut Functions.

3. * (asterisk) Button

For use with multiple function buttons (see 12)

4&13. Set/Clear Preset Buttons

Set preset: Store a preset position [PRESET] + Numeric button (0-9): Setting a corresponding numeric key preset position. Clear preset: Erase a preset position [RESET] + Numeric button (0-9)

Note: [*] + [#] + [RESET]: Erase all presets.

5&14. Pan/Tilt & Home Control Buttons

Press the arrow buttons to perform panning and tilting. Press the [HOME] button to face the camera back to its Home position.

6. Return Button

Press button to return to previous menu.

7. Zoom Buttons (Slow & Fast)

Zoom+: Zoom In (Slow and fast speeds) Zoom-: Zoom Out (Slow and fast speeds)

8. L/R Set Button

Set the left & right direction of panning control. Hold [L/R Set] + Press [1]: Normal panning direction. Hold [L/R Set] + Press [2]: Left and right panning direction will be reversed.

9. Focus Buttons

Used for focus adjustment. Press [AUTO] to adjust the focus on the center of the object automatically. To adjust the focus manually, press the [MANUAL] button, and then adjust focus with [Far] (focus on far object) and [Near] focus on near object).

10. Camera Address Select Buttons

Press the button corresponding to the camera which you want to operate with the IR remote controller.

11. # Button

For use with multiple function buttons (see 12)

12. Multiple Function Buttons

Function 1. Set camera IR address function: Press 3 keys consecutively to set the camera's IR address as follow:

[*] + [#] + [F1]: IR Address 1
[*] + [#] + [F2]: IR Address 2
[*] + [#] + [F3]: IR Address 3
[*] + [#] + [F4]: IR Address 4

Function 2. Image freezing function: Press [F4] to start the freeze function. The word "Freeze" displays on the upper left corner. After five seconds, the display disappears automatically (though the freeze feature continues). To cancel the freeze, press the [F4] key the word "Unfreeze" displays on the upper left corner. After five seconds, the display disappears automatically.

15. Menu Button

OSD Menu Settings: Press this button to enter or exit the OSD (on screen display) menu.

16. Backlight Button

Backlight (aka BLC) button: Press this button to enable backlight compensation. Press it again to disable backlight compensation.

NOTE: Effective only in auto exposure mode. NOTE: If there is a light behind the subject, the subject will appear dark (i.e. silhouetted). In this case, press the backlight button to turn BLC On. To cancel this function, press the backlight button to turn BLC Off.

17. P/T RST Button

Press the button to self-calibrate the pan and tilt positions and limits.

Special Shortcut Functions

[*] + [#] + [1]: Display OSD menu in English
[*] + [#] + [3]: Display OSD menu in Chinese
[*] + [#] + [4]: Show IP address
[*] + [#] + [6]: Quickly restore default settings
[*] + [#] + [8]: Show the camera FW version
[*] + [#] + [9]: Quickly set mounting mode (vertical flip / normal)
[*] + [#] + [MANUAL]: Resets IP information
[#] + [*] + [4]: Enable Dynamic IP addressing
[#] + [*] + [#] + [1]: Set IP to 192.168.100.81
[#] + [*] + [#] + [2]: Set IP to 192.168.100.82
[#] + [*] + [#] + [3]: Set IP to 192.168.100.83
[#] + [*] + [#] + [4]: Set IP to 192.168.100.84
[#] + [*] + [#] + [5]: Set IP to 192.168.100.85
[#] + [*] + [#] + [6]: Set IP to 192.168.100.86
[#] + [*] + [#] + [7]: Set IP to 192.168.100.87
[#] + [*] + [#] + [8]: Set IP to 192.168.100.88
[#] + [*] + [#] + [9]: Set IP to 192.168.100.89
[#] + [*] + [#] + [0]: Set IP to 192.168.100.80