PTZ OPTICS 12X SDI

PTZ OPTICS
Video Conferencing Camera

3 Year Manufacturer ★ Warranty ★ PTZ OPTICS

The PTZ Optics 12X-SDI is a 1080p camera with 12X optical zoom for capturing wide angles. With support for HD-SDI, HDMI, and IP Streaming (H.264) this camera is ideal for broadcasting high definition video signals for broadcast or video conferencing applications.

KEY FEATURES

- 72.5 degree wide-angle lens.
- Wide Dynamic Range
- High performance in low illumination situations.
- Full 1920x1080p HD Resolutions up to 30 frames per second.
- 2D and 3D noise reduction with our latest "low noise CMOS sensor".
- Conforms to ONVIF IP Streaming Standards
- RJ-45   H.264 Streaming port (Control Software is open source)
- HDMI, HD-SDI, IP Streaming (All Simultaneuos)

WHAT'S IN THE BOX

12X Zoom IP Camera
Power Adapter
IR Remote Control
RS-232C to RS-485 Cable
User Manual

Camera & Lens

Video CMOS Sensor	1/2.7" CMOS, 2.07 Mega Pixels
Frame Rate	1080p/30, 1080p/25, 720p/60, 720p/50, NTCS, PAL
Lens	12x, F3.5mm-42.3mm, F1.8-F2.8
Lens Zoom	12x, 16x Digital Zoom
Field of View	72.5°
Min Lux	0.5 Lux at F1.8, AGC ON
Shutter Speed	1/25s - 1/10000s
SNR	≥55dB
Vertical Flip & Mirror	Supported
Horizontal Angle of View	72.5° - 6.9°
Vertical Angle of View	44.8° - 3.9°

Rear Board Connectors

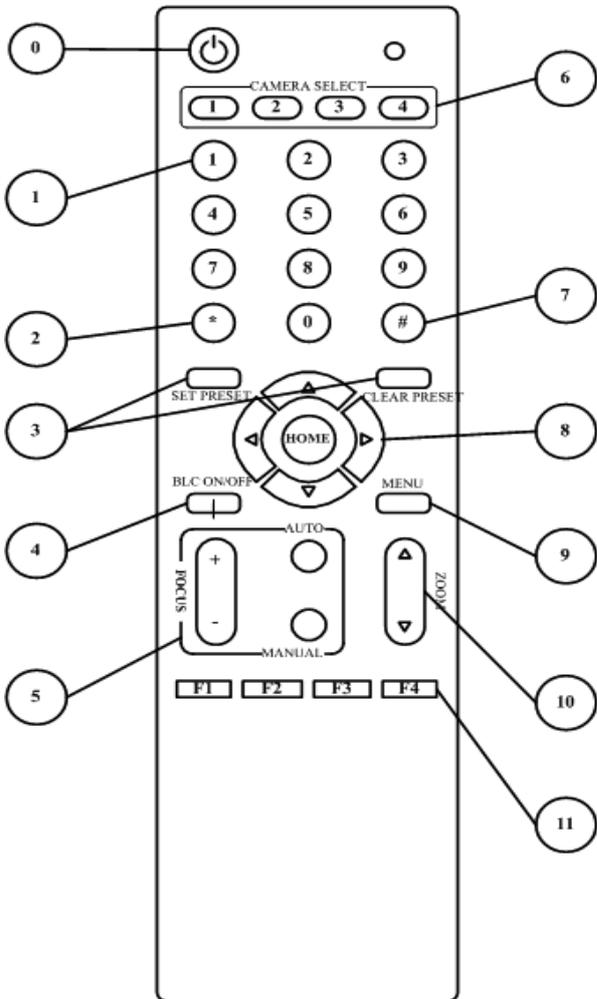|	
Video Output Interface	HDMI, HD-SDI, IP Streaming, CVBS
Network Interface	RJ45
Audio Interface	Line In/ Line Out, 3.5mm
Communication Interface	RS-232, RS485
Baud Rate	2400/4800/9600 bits
Power Supply Interface	JEITA type Power Adapter (DC IN 12V)
USB Interface	USB 2.0 (for firmware updates only)

Electrical Index

Power Supply	8W
Input Voltage	12V DC (10.8 - 13.0V DC)

Pan & Tilt Movement

Pan Movement	±170°
Tilt Rotation	-30°- +90°
Presets	64 Presets(245 via RS232)

Physical Specifications

Dimensions	5.59" x 6.65" x 6.93"
Weight	3.3 lbs.

1. Audio LINE IN Interface

2. Audio LINE OUT Interface

3. CVBS Interface

4. Dip Switches

5. System Select Switch

6. RS485 Jack

7. RS232 IN jack

8. RS232 OUT Jack

9. RJ45 Interface

10. HDMI Interface

11. HD-SDI Interface

12. USB2.0

13. DC 12V Jack

14. Power Switch

0. 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)

1. Position Buttons
To set preset or call preset

2. * Button

3. Set/Clear Preset Buttons
Set preset: Store a preset position [SET PRESET] + Numeric button (0-9): Setting a corresponding numeric key preset positionClear preset: Erase a preset position[CLEAR PRESET]+ Numeric button (0-9) Or: [*]+[#]+[CLEAR PRESET]: Erase all the preset individually.

4. BLC (Backlight Compensation) ButtonBLC ON/OFF: Press this button to enable the backlight compensation. Press it again to disable the backlight compensation.(NOTE: Effective only in auto exposure mode) Note: If a light behind the subject, the subject will become dark. In this case, press the backlight ON / OFF button. To cancel this function, press the backlight ON / OFF button.

5. Focus Buttons
Used for focus adjustment. Press [AUTO] adjust the focuses on the center of the object automatically. To adjust the focus manually, press the [MANUAL] button, and adjust it with [Focus＋] (Focus on far object) and [Focus－] (Focus on near object)

6. Camera Select Buttons
Press the button corresponding to the camera you want to operate with the remote controller.

7. # Button

8. Pan/Tilt Control Buttons
Press arrow buttons to perform panning and tilting. Press [HOME] button to face the camera back to front

9. Menu Setting
Menu button: Press this button to enter or exit the OSD menu

10. Zoom Buttons
Zoom : Zoom In
Zoom : Zoom Out

11. Set Camera IR Address Buttons
[*]+[#]+[F1]: Address1
[*]+[#]+[F2]: Address2
[*]+[#]+[F3]: Address3
[*]+[#]+[F4]: Address4