



**Model Number:**  
PT20X-ZCAM  
<https://ptzoptics.com/zcam-20x/>

## PTZOPTICS

### 3G-SDI Box Camera

The PTZOptics ZCAM-20X is a 1080p box camera with 20X optical zoom for capturing HD video even at a distance. With support for 3G-SDI & IP streaming, this camera is ideal for broadcasting high definition video signals for broadcast or video conferencing applications up to 1080p/60 resolution.

#### KEY FEATURES

- Panasonic 1/2.7" HD CMOS Sensor
- 3G-SDI High Definition Video Output
- H.264, H.265 & MJPEG IP streaming output (dual stream)
- AAC Audio Encoding over IP
- High performance in low light scenarios
- Full 1920x1080p HD Resolutions up to 60 frames per second via SDI
- 2D & 3D noise reduction with our latest "low noise CMOS sensor"
- Wide Dynamic Range
- Menu controls on back of camera
- RS485 and IP remote camera control
- 60.7° Field of View
- Std 1/4-20 female thread for camera mounting (bottom)
- PoE (Power over Ethernet)

**WHAT'S IN THE BOX**  
20X Box Camera  
Power Adapter  
User Manual



#### Camera & Lens

Video CMOS Sensor	1/2.7" CMOS, 2.07 Mega Pixels
Frame Rate	1080p-60/50/30/25 1080i-60/50/30/25 720p-60/50/30/25
Focal Length	F=4.42mm ~ 88.5mm, F1.8-F2.8
Lens Zoom	20X
Mix Lux	0.05 Lux (F1.8, AGC ON)
Shutter Speed	1/25s - 1/10000s
SNR	≥55dB
Vertical Flip & Mirror	Supported
Horizontal Angle of View	3.4° (tele) - 60.7° (wide)
Vertical Angle of View	1.9° (tele) - 34.1° (wide)
<b>Electrical Index</b>	
Power Supply	12W - 1A
Input Voltage	12V DC (10.8 - 13.0V DC) PoE Class 3 - 802.3af











#### Rear Board Connectors

Video Output Interface	3G-SDI, RJ45 IP Network
Communication Interface	RS485 VISCA, Pelco-D, Pelco-P
Baud Rate	2400/4800/9600 bits
Power Supply Interface	JEITA type Power Adapter (DC IN 12V)/ PoE 802.3af







#### Physical Specifications

Dimensions (in.)	2.4W x 5.7D x 3.0H
Weight	1.4 lbs.
Box Dimensions (in.)	8.2W x 6.3D x 4.6H
Box Weight	1.8 lbs.








## Product Line

	<b>PT12X-SDI-GY-G2</b>		<b>PT12X-SDI-WH-G2</b>	1080p PTZ camera, 12X optical zoom, 3G-SDI, HDMI, IP Streaming
	<b>PT12X-USB-GY-G2</b>		<b>PT12X-USB-WH-G2</b>	1080p PTZ camera, 12X optical zoom, USB3.0, HDMI, IP Streaming
	<b>PT20X-SDI-GY-G2</b>		<b>PT20X-SDI-WH-G2</b>	1080p PTZ camera, 20X optical zoom, 3G-SDI, HDMI, IP Streaming
	<b>PT20X-USB-GY-G2</b>		<b>PT20X-USB-WH-G2</b>	1080p PTZ camera, 20X optical zoom, USB3.0, HDMI, IP Streaming
	<b>PT20X-ZCAM-G2</b>			1080p Box Camera, 20X optical zoom, 3G-SDI, IP Streaming
	<b>PTVL-ZCAM-G2</b>			1080p Box Camera, Variable Lenses (4X included), 3G-SDI, IP Streaming

## Control Accessories

	<b>PT-BRDCSTR-(L,E,P)</b>			Remote PTZ Head for handheld-broadcast cameras (3 models)
	<b>DB9M-F-xx</b>			Extension Cable, DB9M-F, Plenum, 4 lengths shown in ft. (xx=25, 50, 75, 100)
	<b>VISCA-xx</b>			Daisy Chain Cable, miniDIN8-MM, 4 lengths shown in ft. (xx=25, 50, 75, 100)
	<b>HDSDI-xx</b>			3G SDI Cable, BNC-MM, Plenum, 4 lengths shown in ft. (xx=25, 50, 75, 100)
	<b>HC-JOY-G2</b>			RS232, RS485, RS422, 3D Joystick and Keyboard, VISCA, Pelco-P, Pelco-D
	<b>PT-JOY</b>			IP control, 4D Joystick and Keyboard, Durable Metal Case

## Mounting Accessories

	<b>HCM-1-BK</b>		<b>HCM-1-WH</b>	Small Wall Mount, mounts directly to wall or box with supplied hardware
	<b>HCM-2-BK</b>		<b>HCM-2-WH</b>	Large Wall Mount, mounts directly to wall or box with supplied hardware
	<b>HCM-1C-WH</b>			Small Open Ceiling Mount, mounts to 1"NPT pipe
	<b>HCM-2C-WH</b>			Large Open Base Ceiling Mount, mounts to 1"NPT pipe
	<b>PT-CM-1-BK</b>			Surface Ceiling Mount, mounts directly to ceiling or box w/ suppl. hardware

