



**Model Number:**  
PT20X-NDI-ZCAM (white)  
<http://ptzoptics.com/ndi/>

## PTZOPTICS Broadcast & Conference Camera

The PTZOptics 20X-NDI ZCAM is a 1080p camera with 20X optical zoom for capturing HD images at long distances. With support for NDI|HX, 3G-SDI, 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

- Panasonic 1/2.7" HD CMOS Sensor
- 3G-SDI & NDI|HX™ 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 FPS via SDI (30 FPS over NDI)
- 3G-SDI, & NDI or IP streaming (Both simultaneously)
- Std 1/4-20 female thread for camera mounting (bottom)
- PoE (Power over Ethernet) or 12VDC
- RTMP, RTSP, and NDI|HX

**WHAT'S IN THE BOX**  
20X NDI|HX ZCAM Camera  
Power Adapter  
User Manual



#### Camera & Lens

Video Sensor	1/2.7" CMOS, 2.12 Mega Pixels
Frame Rates	1080p/60, 50, 30 & 25, 1080i/60 & 50, 720p/60, 50, 30 & 25
Focal Length	20x, F4.42mm-88.5mm, F1.8-F2.8
Lens Zoom	20x
Field of View	60.7°
Min Lux	0.5 Lux at F1.8, AGC ON
Shutter Speed	1/30s - 1/10000s
SNR	≥55dB
Vertical Flip & Mirror	Supported
Horizontal Field of View	3.36° (tele) to 60.7° (wide)
Vertical Field of View	1.89° (tele) to 34.1°(wide)
Working Environment	Indoor











#### Rear Board Connectors

Video Output Interface	3G-SDI, NDI HX,
Communication Interface	RS485 VISCA, Pelco-D, Pelco-P
Baud Rate	2400/4800/9600 bits
Power Supply Interface	JEITA type Power Adapter (DC in 12V)







#### Physical Specifications

Dimensions (in.)	2.4W x 5.7D x 3.0H
Dimensions (mm.)	60.9W x 144.7D x 76.2H
Camera Weight	1.4 lbs   0.63 kg
Box Dimensions (in.)	10W x 5D x 5H
Box Dimensions (mm.)	254W x 127D x 127H
Box Weight	2.0 lbs   0.90 kg








## 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

