Broadcast Pix

RoboPix

Video Cameras

NDI®|HX / HD@60fps / PTZ

Capture every moment from the optimal angle with Broadcast Pix RoboPix PTZ Cameras

Experience Exceptional Quality and Control

Broadcast Pix is proud to introduce our latest line of PTZ cameras designed to revolutionize live video production. With advanced features, superior performance, and seamless integration capabilities, the RoboPix PTZ Camera Series offers unparalleled quality and control for all your broadcasting needs.

RoboPix HD Camera

RoboPix 4K Cameras

RoboPix PTZ Cameras

Four Models to Suit Every Production Requirement

RoboPix HD IP PTZ Camera

RoboPix HD 20X
- Perfect for versatile live productions
- Optical zoom lens with superior image quality
- Seamless integration with multiple video interfaces

RoboPix Ultra HD 4K IP PTZ Cameras

RoboPix 4K 12X
- Entry-level 4K camera with exceptional clarity
- 12X optical zoom lens for detailed shots
- Leading auto-focus technology for precise imaging

RoboPix 4K 25X
- Professional-grade 4K camera for high-end productions
- 25X optical zoom lens for versatile coverage
- Low noise CMOS sensor for clear images in any lighting condition

RoboPix 4K 31X
- Elite-level 4K camera for demanding applications
- 31X optical zoom lens for maximum flexibility
- Multiple video output interfaces for seamless connectivity

4K ULTRA HD	Noise Reduction	Optical Zoom	HDMI 2.0	255
4KP60	**Noise Reduction**	**Optical Zoom**	**Connectivity**	**Presets**

Experience unmatched performance and versatility in your live production.

RoboPix PTZ Cameras

Live Production Features and Benefits

Key Features

- **Superb Image Quality**: Built with high-quality CMOS sensors, ensuring stunning clarity and detail.

- **Optical Zoom Lenses**: Choose from different zoom capabilities to suit your production needs, capturing every detail with precision.

- **Leading Technology:** Advanced auto-focus algorithms and noise reduction technology deliver superior performance in any environment.

- **Flexible Connectivity**: Multiple video output interfaces and network protocols ensure seamless integration into existing setups.

- **Remote Control**: Easily manage PTZ functions from any Broadcast Pix live production system, offering convenience and flexibility.

RobobPix is great for...

Benefits to Customers

- **Enhanced Productions:** Deliver professional-quality content with exceptional image quality, elevating the viewer experience.

- **Effortless Integration**: Simplify setup and streamline workflow with seamless connectivity options, saving time and resources.

- **Precise Control:** Enjoy precise control over camera functions for dynamic live productions, ensuring every shot is perfect.

- **Versatile Applications**: Ideal for visual radio broadcasts, lecture capture, webcasts, video conferences, and more, catering to diverse production needs.

RoboPix PTZ Cameras

Setup and Operation Diagrams

RoboPix

Network Switch

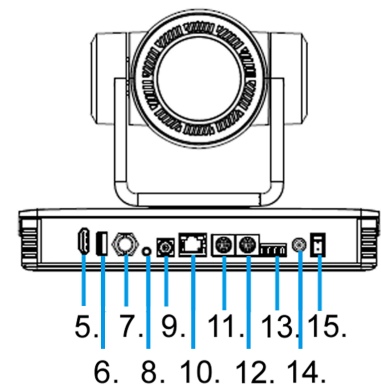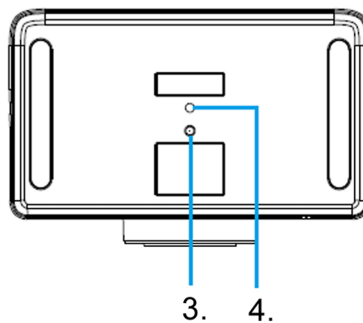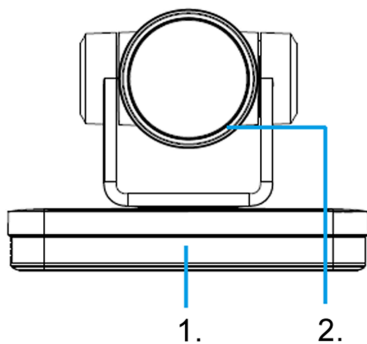RoboPix

Ethernet Cable

LAN
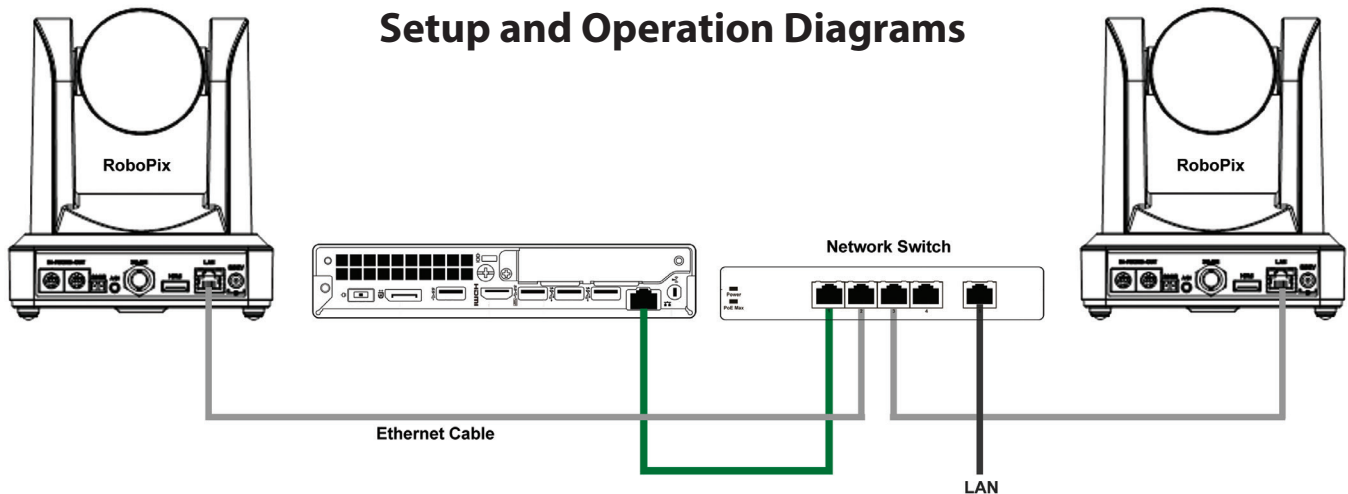
Simplify Installations with NDI™ Video and Self-Discovery:

RoboPix systems streamline installations with NDI™ video and self-discovery, ensuring effortless setup. These systems offer compressed NDI high-quality IP video streams, allowing easy installation with a single network cable.

NDI technology simplifies usage by automatically detecting RoboPix cameras by any video device on the network. Cameras respond with their IP address and relevant details, updating the host seamlessly without manual configuration.

Rely on RoboPix systems to simplify installations with their single network cable setup, eliminating complexities associated with video formats and peripherals. Broadcast Pix video production systems instantly recognize RoboPix cameras upon startup, requiring no additional setup.

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                                                6. 8. 10. 12. 14.

RoboPix 4K Cameras:

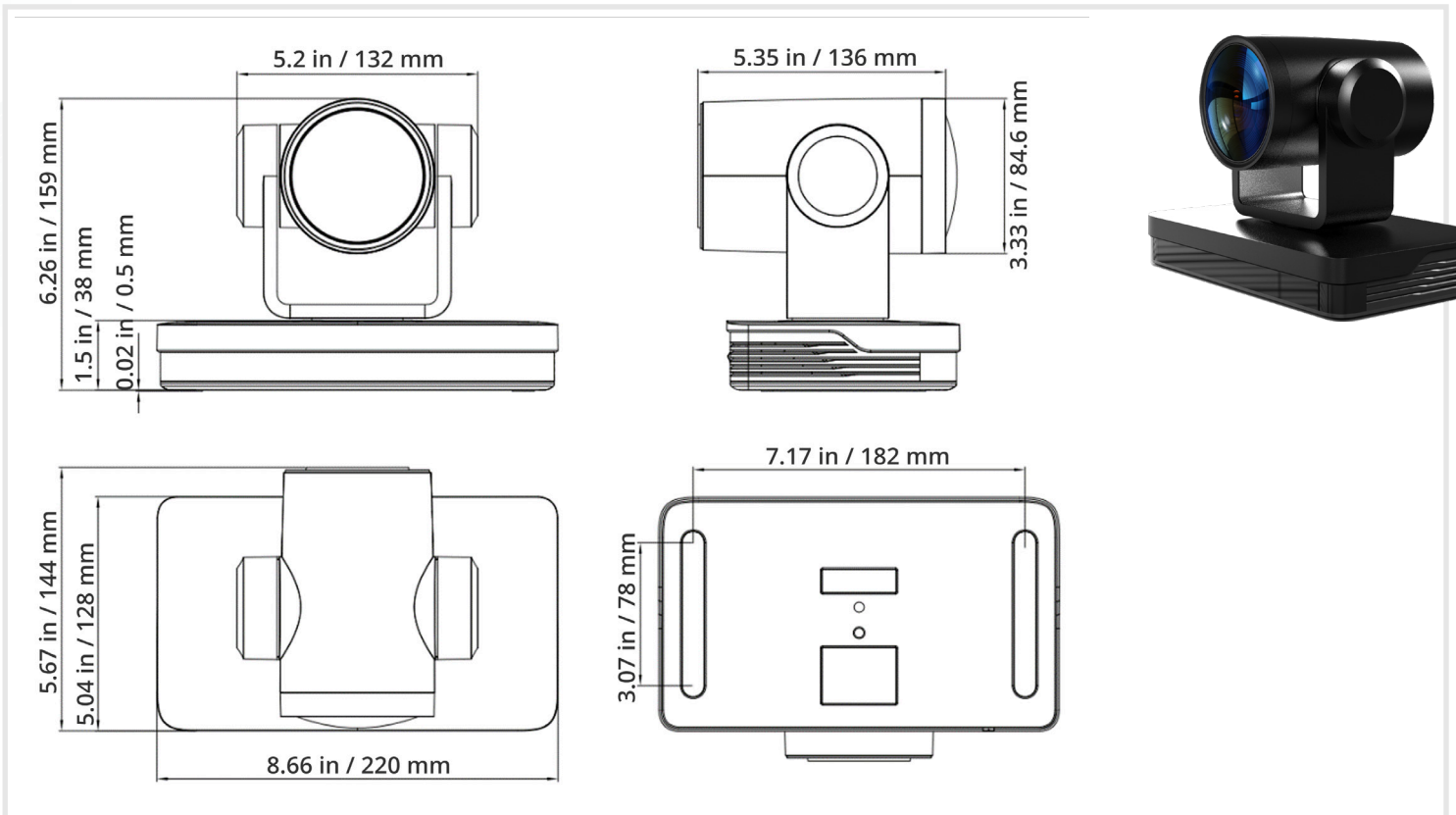|		
1. Receiving Light	6. USB2.0	11. RS232 Input
2. Lens	7. SDI	12. RS232 Output
3. Fixation Hole	8. Audio In	13. RS422/RS485 Jack
4. Tripod Screw Hole	9. Rotary Dip Switch	14. DC12V Power Socket
5. HDMI Jack	10. Network Jack	15. Power Switch

Technical Specifications				
	RoboPix HD 20X	**RoboPix 4K 12X**	**RoboPix 4K 25X**	**RoboPix 4K 31X**
Camera / Lens				
Optical Zoom	20X f=5.5~110mm	12X f=3.85~43.06 mm, ±5%	25X f=7.1mm~ 171.95mm ±5%	31X f= 6.91~214.64mm, ±5%
View Angle	3.3°(N) ~ 54.7°(W)	H: 7.59°(N) ~ 80.4°(W) V: 4.6°(N) ~ 50.0°(W)	H: 2.5°(N) ~ 59.2°(W) V: 1.4°(N) ~ 34.6°(W)	H: 1.98°(N) ~ 59°(W) V: 1.12°(N) ~ 34.4°(W)
Iris Value	F1.6 – F3.5	F1.8 - F3.56 ±5%	F1.61 - F5.19 ±5%	F1.35- F4.6 ±5%
Image Sensor	1/2.8 Inch high quality HD CMOS Sensor	1/2.5 Inch SONY High Quality 4K CMOS Sensor	1/1.8 Inch SONY High Quality 4K CMOS Sensor	1/1.8 Inch SONY High Quality 4K CMOS Sensor
Effective Pixels	16:9:, 2.07 megapixel	16:9, 8.51 megapixel		
Video Formats	**HDMI/SDI** 1080P60/50/30/25/59.94 /29.97.1080I60/50/59.94. 720P60/50/30/25/59.94/29.97	**HDMI** 3840x2160 at 60/50/25/59.94/29.97fps, 1080P at 60/50/30/25/59.94/29.97fps, 1080I at 60/50/59.94fps, 720P at 60/50/59.94fps **SDI** 1080P at 60/50/30/25/59.94/29.97fps, 1080I at 60/50/59.94fps, 720P at 60/50/59.94fps		
Minimum Illumination	0.5Lux (F1.8, AGC ON)	0.5Lux (F1.8, AGC ON)		
DNR	2D & 3D DNR	3D DNR		
White Balance	Auto/ Manual	Auto / Manual / One Push / Specified color temperature		
Focus	Auto / Manual / A key focus	Auto / Manual / One Push		
Exposure Mode	Auto/ Manual	Auto / Manual / Shutter Priority / Iris Priority / Whiteness Priority		
BLC	ON/OFF	ON/OFF		
WDR	OFF/ Dynamic level adjustment	OFF/ Dynamic level adjustment		
Video Adjustment	Brightness, Color, Saturation, Contrast, Sharpness, B/W mode, Gamma curve	Brightness, Color, Saturation, Contrast, Sharpness, B/W mode, Gamma curve		
SNR	>55dB	≥50dB		
Input / Output Interface				
Video Interfaces	HDMI, SDI, LAN, RS232 (Loop through RS232 output) RS485, Audio In	HDMI, SDI, LAN (Support POE), Audio In, RS232-IN, RS232-OUT, RS422 (Compatible with RS485) Rotary DIP switch, DC12V Power Supply, Power Switch		
Video Output Interfaces	HDMI, SDI, LAN			
Video Compression Format	H.264, H.265			
Control Protocol	VISCA/Pelco-D/Pelco-P; Baud Rate:115200/9600/4800/2400bps			
Audio Input Interface	Audio In:Double track 3.5mm linear input			
Audio Compression Format	AAC/MP3/G.711A			
Network Interface	100M IP port (100BASE-TX) 5G WiFi (optional)	10m/100/1000M adaptive Ethernet port, support POE and audio/video output		
Network Protocol	RTSP, RTMP, ONVIF, GB/T28181, Network VISCA Control Protocol			
Control Signal Interface	RS232 (Ring through RS232 output), RS485			
Power Adapter	Input: AC110V-AC220V, Output: DC12V/1.5A, HEC3800 outlet (DC12V)			
Power	12W(Maximum), DC12V±10%, 1A (Maximum)			
PTZ				
Pan/Tilt/Rotation	±170°, -30° ~ + 90°	±110°, ±30° ~ + 90°		
Pan Control Speed	0.1 - 60°/sec	0.1 - 100°/sec		
Tilt Control Speed	0.1 - 30°/sec	0.1 - 70°/sec		
Preset Speed	Pan: 60°/sec, Tilt: 30°/sec	Pan: 78.8°/sec, Tilt: 31.7°/sec		
Preset Number	255 presets (10 presets by remote controller)			
Environment – designed for indoor use				
Storage Temp & Humidity	-10°C ~ + 60°C, 20% ~ 95%	10°C ~ + 60°C, 20% ~ 95%		
Working Temp & Humidity	-10°C + 50°C, 20% ~ 80%	-10°C + 50°C, 20% ~ 80%		
Dimensions (WxDxH)	5.9 in × 5.9 in × 6.6 in / 150 mm × 150 mm × 167.5 mm	8.7 in × 5.7 in × 6.3 in / 220 mm × 144 mm × 159 mm		
Weight	3.09 lbs / 1.4 kg	3.75 lbs / 1.7 kg		
Accessories				
Included Accessory	Power supply, RS232 control cable, USB3.0 cable, Remote controller, User manual			
Optional Accessories	Ceiling / Wall Mount			

Take Your Productions to the Next Level with
Broadcast Pix RoboPix PTZ Cameras

RoboPix HD IP PTZ Camera

Ø72

6.6 in / 167.5 mm

0.15 in / 3.8 mm

5.9 in / 150 mm

5.9 in / 150 mm

Depth
0.2 in / 5 mm

5.04 in / 128 mm

0.55 in / 14 mm

5.04 in / 128 mm

1/4-20OUNC
Tripod hole
Depth
0.26 in / 6.5 mm

RoboPix Ultra HD 4K IP PTZ Cameras

5.2 in / 132 mm

6.26 in / 159 mm

1.5 in / 38 mm

0.02 in / 0.5 mm

5.35 in / 136 mm

3.33 in / 84.6 mm

5.67 in / 144 mm

5.04 in / 128 mm

8.66 in / 220 mm

7.17 in / 182 mm

3.07 in / 78 mm
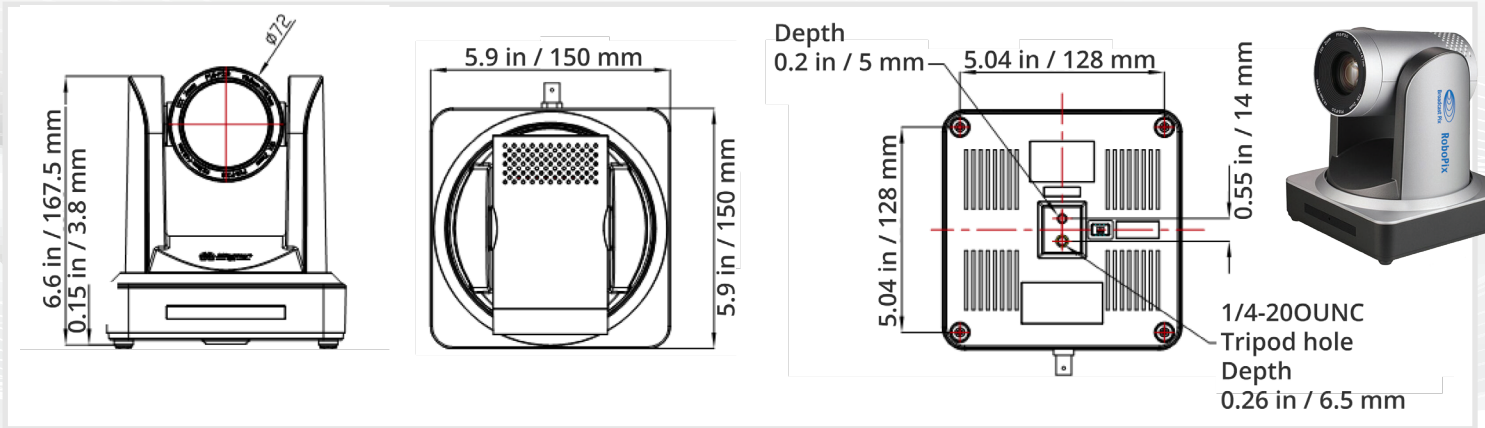
Schedule a free online demo

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