

PTZ3 UHD Camera – One Sheet & Tech Specs

Mastering the art of capture

The NewTek PTZ3 UHD is the best and easiest way of getting the highest quality video and audio onto any network and into any production. The PTZ3 UHD is the only NewTek 4Kp60 camera on the market that offers both professional audio and ultra-high-definition video – all built on the unshakeable foundation of NDI®.

Mastering Audio

For the first time in a NewTek UHD camera, Professional XLR audio input seamlessly runs with equipment such as microphones, mixers, amplifiers, and soundboards. The Professional XLR integration offers clean, balanced audio directly from the camera into the NDI network, so the audio maintains the highest fidelity for customers and integrators.

Mastering Video

To ensure users deliver high-quality images and video, the PTZ3 UHD takes pan/tilt/zoom quality to a new level with improved movement between camera presets. Ease-in and ease-out movements deliver seamless, smooth transitions for a natural, superior quality production without jittery or stuttering movements.

Mastering Connectivity

No other camera on the market offers this level of simplicity and control. Whether it's using a single cable for audio and video, PTZ control, tally and PoE for power or connecting via NDI, NewTek PTZ Cameras simply appear on the network and can immediately be built into any workflow with ease.

Constructed with NDI® at its core, the PTZ3 UHD guarantees the tightest integration with any NewTek live production system and any NDI® workflow – offering professional audio, pristine 4Kp60 and infinite production possibilities.



PTZ3 UHD Camera - Technical Specifications

Video Output	NDI HX, 3G-SDI, HDMI	
Audio Output	NDI HX, HDMI, SDI	
Video Formats	NDI HX	3840*2160P60/59.94/50/30/29.97/25
		1920*1080P60/59.94/50/30/29.97/25/24
		1280*720P60/59.94/50/30/29.97/25
	HDMI	3840*2160P60/59.94/50/30/29.97/25
		1920*1080P60/59.94/50/30/29.97/25/24/23.98
		1920*1080I60/59.94/50
		1280*720P60/59.94/50/30/29.97/25
	SDI	1920*1080P60/59.94/50/30/29.97/25/24/23.98
		1920*1080I60/59.94/50
1280*720P60/59.94/50/30/29.97/25		
Zoom	30 x Optical & 2x digital zoom	
Sensor	Sony 1/1.8 inch 12MP sensor.	
ColorSpace	8 bit	NDI - 4:2:0
		HDMI & SDI - 4:2:2
Shutter Speed	1/30 to 1/10,000 sec	
Panning Angle	-170° to +170°	
Panning Speed	Max 120°/sec	
Tilting Angle	30° to +60°	
Tilting Speed	Max 80°/sec	
Aperture	F1.8 ~ F14	
Focal Length	6.91mm~214.64mm	
Horizontal Angle of View	60°(Far)-2°(Near)	
Min. Object Distance	1.5m (Wide/Tele)	
Min. Illumination	0.1 lux	
Encoding	H.264/H.265, NDI HX & HEVC	

Audio Input	Mini XLR, 3.5mm stereo audio input (line)
Embedded Audio	NDI, HDMI,
Signal	Balanced (Mini XLR), Unbalanced (Line In)
Sample Rate	48KHz
Frequency	100Hz~20KHz
Total Harmonic distortion	-90dB
Tally	Supported

PTZ3 UHD Camera - Technical Specifications contd.

White Balance	Auto, Manual, Auto Tracking, One Push, Outdoor, Indoor
Exposure	Auto, Manual, Shutter Priority, Iris Priority, Brightness Priority
Focus	Auto, Manual, Iris Auto, Manual Shutter Auto, Manual
Anti-Flicker	Off/50Hz/60Hz
Gain Control	Auto, Manual
Control	NDI
User Interface	Web based or NewTek NDI® Studio Monitor applications for remote configuration, control, and monitoring

POE+	POE+ (IEEE 802.3 at)
Direct Power	DC12V
Power Consumption	12W
Operating Temperature	-10°C~50°C
Operating Humidity	20%~80%
Physical	Dimensions
	8.66 x 7.48 x 6.41 in (220 x 190 x 173 mm)
	Weight: 2.97lbs (1.35 kg)
Ceiling Mount	Included
Wall Mount	Included
Adapters	MiniXLR (f) to XLR(f) adapter included