



# PTZ3 PLUS & UHD PLUS Specs

	PTZ3 PLUS	PTZ3 UHD PLUS
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## TRACKING AND AI

Tracking Data	FreeD-over-NDI HX, FreeD via UDP	FreeD-over-NDI HX, FreeD via UDP
Face and Posture Presenter Tracking AI	Yes	Yes
Presenter Tracking Pan/Tilt Limit	Yes - tracking area limited within top-left and bottom-right boundary	Yes - tracking area limited within top-left and bottom-right boundary
Target Timeout (Return to Home)	0.5s to 10s selectable	0.5s to 10s selectable
Presenter Target Scaling	1/6, 1/8, 1/10, 1/12, 1/16, 1/20	1/6, 1/8, 1/10, 1/12, 1/16, 1/20
Presenter Target Switching	Yes - left to right selectable	Yes - left to right selectable
Blackboard Detection	Yes - reduces tracking in front of presentation area to minimize distractions	Yes - reduces tracking in front of presentation area to minimize distractions

## VIDEO ENCODING

Video Output	NDI HX 3, NDI HX 2, 3G-SDI*, HDMI	NDI HX 3, NDI HX 2, 3G-SDI*, HDMI
NDI Codecs	H.264 or HEVC	H.264 or HEVC
Bit Rate	CBR/VBR	CBR/VBR
Datarates	Low, Med, High, HX 3 Ultra	Low, Med, High, HX 3 Ultra
NDI Multicast	Yes	Yes
NDI Discovery Server	Yes	Yes
Video Formats	<b>1080p:</b> 60, 59.94, 50, 30, 29.97, 25, 24 <b>1080i:</b> 59.94, 50 <b>720p:</b> 60, 59.94, 50, 30, 29.97, 25	<b>2160p:</b> 60, 59.94, 50, 30, 29.97, 25 <b>1080p:</b> 60, 59.94, 50, 30, 29.97, 25, 24 <b>720p:</b> 60, 59.94, 50, 30, 29.97, 25

## OPTICS

Lens	20x Optical & 2x Digital Zoom	30 x Optical & 2x Digital Zoom
Sensor	Panasonic 1/2.86" CMOS	Sony 1/1.8" 12MP sensor
Shutter Speed	1/30 to 1/10,000 sec	1/30 to 1/10,000 sec
Horizontal Viewing Angle	60°(Far) - 3,2°(Near)	60°(Far) - 2°(Near)
Focal Length	4.9~98mm	6.91mm~214.64mm
Aperture	F1 ~ F14	F1.8 ~ F14
Min. Object Distance	(Tele) 1.5M	(Tele) 1.5M
Min. Illumination	0.7lux (50 IRE Max AGC, 1/30, F1.8)	0.5lux (50 IRE Max AGC, 1/30, F1.8)



## EXPOSURE CONTROLS

Focus Control	Auto or Manual	Auto or Manual
Iris Control	Auto or Manual	Auto or Manual
Shutter Control	Auto or Manual	Auto or Manual

## PICTURE CONTROL

Picture Control	Brightness, Contrast, Saturation, Sharpness	Brightness, Contrast, Saturation, Sharpness
Noise Reduction	2D/3D	2D/3D
Mirror	On/Off	On/Off
Flip	On/Off	On/Off
White Balance Modes	Auto/Indoor/Outdoor/One-Push/ Auto-tracking/Manual	Auto/Indoor/Outdoor/One-Push/ Auto-tracking/Manual

## PAN AND TILT RANGE

Panning Angle	-170° to +170°	-170° to +170°
Tilting Angle	30° to +90°	30° to +90°

## AUDIO

Audio Input	Mini XLR, 3.5mm stereo audio input (line)	Mini XLR, 3.5mm stereo audio input (line)
Mic Gain/Volume Control	Yes	Yes
Phantom Power to Mini XLR	Enabled through Web GUI with double confirm	Enabled through Web GUI with double confirm

## USER OPERATION

Tally	Web-based or NDI® Studio Monitor applications for remote configuration, control, and monitoring.	Web-based or NDI® Studio Monitor applications for remote configuration, control, and monitoring.
User Interface	HDMI/SDI OSD operated through IR Remote	HDMI/SDI OSD operated through IR Remote

## INTERFACES

Networking	1 Gigabit Ethernet	1 Gigabit Ethernet
Control	NDI®	NDI®
Power	PoE+ (IEEE 802.3 at) or DC12V Power Supply	PoE+ (IEEE 802.3 at) or DC12V Power Supply

## ACCESSORIES

Mini XLR to XLR adapter	Included	Included
Wall Mount	Included	Included
Ceiling Mount	Included	Included
Mount Fixings	Included	Included
Remote Control	Included: IR remote for up to 4x cameras	Included: IR remote for up to 4x cameras
Warranty	3-years	3-years