PTZ3 PLUS & UHD PLUS Specs

	PTZ3 PLUS	PTZ3 UHD PLUS
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	**1080p:** 60, 59.94, 50, 30, 29.97, 25, 24 **1080i:** 59.94, 50 **720p:** 60, 59.94, 50, 30, 29.97, 25	**2160p:** 60, 59.94, 50, 30, 29.97, 25 **1080p:** 60, 59.94, 50, 30, 29.97, 25, 24 **720p:** 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