



NETWORKTV



CAMERA



CAMERA MODEL #	PTZOptics 12X-SDI/IP/HDMI	PTZOptics 12X-USB/IP/HDMI	PTZOptics 20X-SDI/IP/HDMI	PTZOptics 20X-USB/IP/HDMI	PTZOptics 30X-SDI/IP/HDMI	PTZOptics ZCam 20X	PTZOptics ZCam-VL	PTZOptics 12X-NDI	PTZOptics 20X-NDI	PTZOptics 30X-NDI	PTZOptics ZCam 20X NDI	PTZOptics ZCam-VL NDI
AVAILABLE IN WHITE	✓	✓	✓	✓	✓	X	X	✓	✓	✓	X	X
OPTICAL ZOOM	12 X	12X	20X	20X	30X	20X	4X	12 X	20X	30X	20X	4X
FIELD OF VIEW	6.9°~72.5°	6.9°~72.5°	3.36°~60.7°	3.36°~60.7°	3.36°~60.7°	3.6°~58.6°	28°~122°	6.9°~72.5°	3.36°~60.7°	3.36°~60.7°	3.6°~58.6°	28°~122°
RESOLUTION	1080p @ 60fps	1080p @ 60fps	1080p @ 60fps	1080p @ 60fps	1080p @ 60fps	1080p @ 60fps	1080p @ 60fps	1080p @ 60fps	1080p @ 60fps	1080p @ 60fps	1080p @ 60fps	1080p @ 60fps
USB VIDEO	USB 2.0 updates only	USB 3.0 for video	USB 2.0 updates only	USB 3.0 for video	USB 2.0 updates only	X	X	USB 2.0 updates only	USB 2.0 updates only	USB 2.0 updates only	X	X
HDMI	✓	✓	✓	✓	✓	X	X	✓	✓	✓	X	X
HD-SDI	✓	X	✓	X	✓	✓	✓	✓	✓	✓	✓	✓
CVBS	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
IP STREAMING	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
DVI-I	X	X	X	X	X	X	X	X	X	X	X	X
NDI	X	X	X	X	X	X	X	✓	✓	✓	✓	✓
IMAGE FLIP (Horiz/Vert)	H & V	H & V	H & V	H & V	H & V	H & V	H & V	H & V	H & V	H & V	H & V	H & V
RS-232 IN/OUT	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
PRESETS	10/255	10/255	10/255	10/255	10/255	32	32	10/255	10/255	10/255	32	32
AUDIO IN	✓ 3.5mm	✓ 3.5mm	✓ 3.5mm	✓ 3.5mm	✓ 3.5mm	X	X	✓ 3.5mm	✓ 3.5mm	✓ 3.5mm	X	X
MIN LUX	0.5 @F1.8	0.5 @F1.8	0.5 @F1.8	0.5 @F1.8	0.5 @F1.8	0.2 @F1.6	0.5 @F1.8	0.5 @F1.8	0.5 @F1.8	0.5 @F1.8	0.2 @F1.6	0.5 @F1.8
WIDE DYNAMIC RANGE	✓	✓	✓	✓	✓	X	X	✓	✓	✓	X	X
3D NOISE CANCELLATION	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
WARRANTY	3 YEARS	3 YEARS	3 YEARS	3 YEARS	3 YEARS	3 YEARS	3 YEARS	3 YEARS	3 YEARS	3 YEARS	3 YEARS	3 YEARS



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CAMERA MODEL #	NTV61SL 12X SDI/HDMI/ IP	NTV61UL 12X USB/HDMI/ IP	NTV60SL 20X SDI/HDMI/ IP	NTV60UL 20X USB/HDMI/ IP	NTV63SL 30X SDI/HDMI/ IP	NTV74U4K 12X-HDMI/USB/ IP	NTV75U 5X-USB3	NTV75H 5X-HDMI/IP	NTV75S 5X-3G-SDI/IP	NTV51U 12X-USB3/IP	NTJ2630 12X SDI/IP	NTVJ1600SE 4X SDI/IP
AVAILABLE IN WHITE	X	✓	✓	✓	✓	X	X	X	X	X	X	X
OPTICAL ZOOM	12X	12X	20X	20X	30X	12X	5X	5X	5X	12X	12X	4X
FIELD OF VIEW	6.9°~72.5°	6.9°~72.5°	3.36°~60.7°	7°~57°	3.36°~60.7°	7.4° ~ 70.1°	20°~83.7°	20°~83.7°	20°~83.7°	6.3~72.5°	6.9~72.5°	28°~122°
RESOLUTION	1080p @ 60fps	1080p @ 60fps	1080p @ 60fps	1080p @ 60fps	1080p @ 60fps	2160p @ 30fps 1080p @ 60fps	1080p @ 60fps	1080p @ 60fps	1080p @ 60fps	1080p @ 60fps	1080p @ 60fps	1080p @ 60fps
USB VIDEO	USB 2.0 updates only	USB 3.0 for video	USB 2.0 updates only	USB 3.0 for video	USB 2.0 updates only	USB 2.0 & 3.0	USB 3.0	X	X	USB 3.0	X	X
HDMI	✓	✓	✓	✓	✓	✓	X	✓	✓	X	X	X
HD-SDI	✓	X	✓	X	✓	X	X	X	X	X	✓	✓
CVBS	✓	✓	✓	✓	✓	X	X	X	X	X	✓	✓
IP STREAMING	✓	✓	✓	✓	✓	✓	X	✓	✓	✓	✓	✓
DVI-I	X	X	X	X	X	X	X	X	X	X	X	X
NDI	X	X	X	X	X	X	X	X	X	X	X	X
IMAGE FLIP (Horiz/Vert)	H & V	H & V	H & V	H & V	H & V	H & V	H & V	H & V	H & V	H & V	H & V	H & V
RS-232 IN/OUT	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
PRESETS	10/255	10/255	10/255	10/255	10/255	255	255	255	255	255	128	128
AUDIO IN	✓ 3.5mm	✓ 3.5mm	✓ 3.5mm	✓ 3.5mm	✓ 3.5mm	✓	X	✓	✓	✓	✓	✓
MIN LUX	0.5 @F1.8	0.5 @F1.8	0.5 @F1.8	0.5 @F1.8	0.5 @F1.8	0.5 @F1.8	0.5 @F1.8	0.5 @F1.8	0.5 @F1.8	0.5 @F1.8	0.5 @F1.8	0.5 @F1.8
WIDE DYNAMIC RANGE	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	X	X
3D NOISE CANCELLATION	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
WARRANTY	2 YEARS	2 YEARS	2 YEARS	2 YEARS	2 YEARS	2 YEARS	2 YEARS	2 YEARS	2 YEARS	2 YEARS	2 YEARS	2 YEARS



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CAMERA MODEL #	NTVJX1700 Webcam	NTJX1700U Webcam	NTV71H 12X-HDMI/IP	NTV71S 12X-SDI/IP	NTV71U 12X-USB3	NTV71C 12X-USB2	NTVM1000 Video Bar All-in-one Camera	NTV8-12 Auto Tracking 12X & Pano Camera	NTV8-20 Auto Tracking 20X & Pano Camera	NTV73H 12X-HDMI/IP	NTV73S 12X-SDI/IP	NTV73U 12X-USB3
AVAILABLE IN WHITE	X	X	✓	✓	✓	✓	X	✓	✓	X	X	X
OPTICAL ZOOM	X	X	12X	12X	12X	12X	5X	12X	20X	12X	12X	12X
FIELD OF VIEW	46°/84°/120° ePTZ	46°/84°/120° ePTZ	6.9~72.5°	6.9~72.5°	6.9~72.5°	6.9~72.5°	120° ePTZ	6.9~72.5° & Panorama Camera	6.9~72.5° & Panorama Camera	6.9~72.5°	6.9~72.5°	6.9~72.5°
RESOLUTION	4K@30fps 1080p@60fps	4K@30fps 1080p@60fps	1080p @ 60fps	1080p @ 60fps	1080p @ 60fps	1080p @ 60fps	4K @ 60fps	1080p @ 60fps	1080p @ 60fps	1080p @ 60fps	1080p @ 60fps	1080p @ 60fps
USB VIDEO	USB 2.0	USB 3.0	X	X	USB 3.0	USB 2.0	USB 3.0	USB 2.0 updates only	USB 2.0 updates only	X	X	USB 3.0
HDMI	X	✓	✓	X	X	X	✓	✓	✓	✓	X	X
HD-SDI	X	X	X	✓	X	X	X	✓	✓	X	✓	X
CVBS	X	X	X	X	X	X	X	✓	✓	X	X	X
IP STREAMING	✓	X	✓	✓	X	X	X	✓	✓	✓	✓	X
DVI-I	X	X	X	X	X	X	X	X	X	X	X	X
NDI	X	X	X	X	X	X	X	X	X	X	X	X
VOICE TRACKING	X	X	X	X	X	X	✓	X	X	X	X	X
IMAGE FLIP (Horiz/Vert)	X	X	H & V	H & V	H & V	H & V	X	H & V	H & V	H & V	H & V	H & V
RS-232 IN/OUT	X	X	✓	✓	✓	✓	X	✓	✓	✓	✓	✓
PRESETS	X	X	255	255	255	255	X	255	255	255	255	255
AUDIO IN	Built-in mic	Built-in mic	✓	✓	✓	✓	Beamforming mic	✓	✓	✓	✓	✓
MIN LUX	0.5 @F1.8	0.5 @F1.8	0.5 @F1.8	0.5 @F1.8	0.5 @F1.8	0.5 @F1.8	0.5 @F1.8	0.5 @F1.8	0.5 @F1.8	0.5 @F1.8	0.5 @F1.8	0.5 @F1.8
WIDE DYNAMIC RANGE	X	X	✓	✓	✓	✓	X	✓	✓	✓	✓	✓
3D NOISE CANCELLATION	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
WARRANTY	2 YEARS	2 YEARS	2 YEARS	2 YEARS	2 YEARS	2 YEARS	2 YEARS	2 YEARS	2 YEARS	2 YEARS	2 YEARS	2 YEARS

# Camera Accessories

Below are some of the accessories available for all the ranges. Designed with a wide variety of conferencing setups in mind, there is an accessory to help make your setup a complete solution. All of the accessories work with PTZ HD cameras. See the website for the complete range of accessories.



## PTZOptics IP Joystick Controller

- Durable Metal housing
- 160x32 pixel blue LCD display
- Key-press "BEEP" confirmation
- Variable speed control of pan, tilt & zoom
- Speed step control adjustments
- Pan, tilt, rotation, zoom, iris, focus and camera settings
- Preset tour, pattern, absolute position, zoom operation, AUX operation
- Real time display of the current status
- Short circuit & overcurrent protection
- POE

Easy pan, tilt and zoom controls for your PTZ camera. Controls pan & tilt with variable speeds of slow, medium and fast. Use 4 dimensional joystick with "twist" control for zoom.

The keyboard is constructed using high grade brushed aluminium, with unique surface hardening to prevent scratches. The unit includes an industrial grade LCD module for displaying menu settings. The joystick provides a built-in web server, which makes the configuration interface concise and easy to use.

The PT-Joy supports ONVIF protocol with capability to auto-search your network for compatible devices and use the PTZ controls for any or multiple ONVIF protocol cameras. The IP Joysticks include PoE, so take control of cameras all across your network with a single Ethernet cable connection and simplify your next Joystick setup with a PoE network switch.

## HuddleCamHD Serial Joystick Controller

- Durable Metal Housing
- VISCA, PELCO-P & D
- RS-232, RS-422, & RS-485
- On Screen Display
- Variable Speed PTZ control
- Iris, Focus, Home, Backlight, & Preset controls
- 4 Camera quick select buttons
- Activity LEDs
- Easy setup

Use the HC-Joy controller to manage up to 255 cameras with easy pan, tilt & zoom controls with variable speed for any RS-232, RS-422, RS-485 VISCA or Pelco protocol camera. The 3 dimensional joystick provides "twist" for variable control of zoom, speed pan and tilt of the camera head.

The joystick controls pan and tilt with variable speeds of slow / medium / fast. Quickly switch between manual and automatic zoom/focus with dedicated buttons for fine tuning your camera on the fly.

The HC-Joy function keys provide backlight compensation, quick camera selection, set and choose presets, Iris control, auto and manual focus settings. The unit also provides menu settings displayed on the integral LCD Display.

## Camera Mounts

These Universal Mounts are designed specifically as an ideal way to mount a camera to the ceiling or wall. They are all powder coat painted to provide an attractive, tough and lasting finish. The camera mounts include all the hardware needed.

Choose from small and large camera wall mounts, pole mounts and universal ceiling mounts.



## USB Active Extender Cables

Our USB 2.0 and 3.0 range of Active Repeater Cables extends your USB data transmission distance beyond the normal USB boundary. These premium quality repeater cables support data transfer rates up to 5Gb/s, and allows daisy-chain connection distance of up to 40 metres. Additionally, the cables support plug-n-play installation, are fully shielded for error-free data transmissions, and features over current protection to protect both connected device and the cable itself from unforeseen power surges.

