

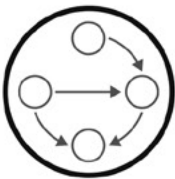
PTZ



INTRODUCING PTZ-12G AND PTZ-NDI

4K/60 PTZ Camera with 30x Optical Zoom

Perfect for live broadcasts in houses of worship, corporate board rooms, auditoriums, classrooms and TV studios, the Ross PTZ-12G and PTZ-NDI deliver all of the high-end features of a UHD pan-tilt-zoom (PTZ) camera within your production budget. The result is a high-performance PTZ camera that is easier to deploy, integrate and operate than anything before in its class.



FLAWLESS ROSS ECOSYSTEM INTEGRATION

Enhance productivity and ease of operation by integrating the PTZ with the Ross ecosystem. Using unlimited presets in the free DashBoard or more advanced SmartShell control system, the PTZ enables one operator to manage what would traditionally be a multi-camera production, allowing them to transition smoothly between speakers or points.



SIMPLE INSTALLATION

For installation simplicity and flexibility, the PTZ-12G supports IP control, streaming and power-over-ethernet over a single Cat5E cable, with the PTZ-NDI adding native NDI streams to that list. For SDI workflows, the PTZ-12G offers the full 4K60 stream over 12G SDI. Even audio can be mixed into your video streams.



SUPERIOR QUALITY

Featuring a 9.17 megapixel, 1/1.8" inch CMOS sensor, the PTZ captures full 4K UHD and 1080p HD video up to 60fps to offer exceptional broadcast picture quality. The PTZ's 30x optical and 12x digital zoom ensure you get create exceptional shots, even in very large rooms or auditoriums.



FEATURES	BENEFITS
4K60	Supreme picture quality in HD and UHD
12G SDI OR NDI OUTPUT	Support for your native video stream without conversion
30X OPTICAL ZOOM	Excellent video quality, even in very large rooms
IP CONTROL	Easy installation into existing networks
POE	Efficiency – only 1 cable for power, control and video
AUDIO	Reduce cable clutter and save on audio mixers
MULTIPLE STREAMS	Output up to three simultaneous H264/H265 streams over RTMP, RTSP, RTMPS, MPEG-TS or SRT
TALLY	Tally signal integrated into the Ross control options
SIZE	Small, lightweight and unobtrusive
FAST PAN/TILT SPEEDS	Workflow – very quick repositioning between shots
LOW LATENCY	Superior performance
DASHBOARD OR SMARTSHELL	Use the control option of your choice: free DashBoard or more advanced features integrated with the rest of your robots in SmartShell

SPECIFICATIONS	PTZ-12G	PTZ-NDI
SENSOR	1/1.8" 9.17MP CMOS	
VIDEO FORMATS	4K: 59.94 / 50 / 29.97 / 25 1080p: 59.94 / 50 / 29.97 / 25 1080i: 59.94 / 50 720p: 59.94 / 50	
VIDEO OUTPUT INTERFACE	HDMI / Ethernet / 12G-SDI / USB 3.0	
OPTICAL ZOOM	30x	
DIGITAL ZOOM	12x	
HORIZONTAL VIEWING ANGLE	63° (Wide)	
PANNING ANGLE	+/- 170deg	
PANNING SPEED	160°/sec	300°/sec
TILTING ANGLE	+90° ~ -30°	
TILTING SPEED	160°/sec	300°/sec
APERTURE	F1.6 ~ F18	
FOCAL LENGTH	6.5mm ~ 202mm	
SHUTTER SPEED	1/1 ~ 1/10,000 sec	
MINIMUM OBJECT DISTANCE	1.5m (Wide/Tele)	
VIDEO S/N RATIO	> 50dB	
MINIMUM ILLUMINATION	0.05 lux (F1.6, 50IRE, 30fps)	
FOCUS SYSTEM	Auto / Manual	
GAIN CONTROL	Auto / Manual	
WHITE BALANCE	Auto / Manual	
EXPOSURE CONTROL	Auto / Manual	
WDR	Yes	
3D NR	Yes	
IMAGE FLIP	Yes	
PRESET POSITIONS	256 (on-board) Unlimited with DashBoard or SmartShell control system	



SPECIFICATIONS	PTZ-12G	PTZ-NDI
AUDIO COMPRESSION FORMAT	G.711 / AAC	AAC
CAMERA CONTROL INTERFACE	RS-232 / RS-422 / Ethernet/ USB 3.0	
CAMERA CONTROL PROTOCOL	VISCA	
TALLY LIGHT	Yes	
POE	PoE++ (IEEE802.3bt)	
VIDEO STREAM	RTSP / RTMP / RTMPS / MPEG-TS / SRT	NDI / HX RTMP / RTSP / RTMPS / MPEG-TS / SRT
VIDEO COMPRESSION	HEVC / H.264 / MJPEG	
AUDIO INPUT	Line In / MIC In (Phone Jack 3.5mm x1)	
AUDIO OUTPUT	Ethernet / 12G-SDI / HDMI	
IR PASS-THROUGH	Yes	
IR RECEIVER	Yes	
IR REMOTE CONTROL	Yes	
DC IN	12V +/- 20%	
POWER CONSUMPTION	DC: <= 28W PoE: <= 30W	
WEIGHT	6.4lbs (2.9Kg)	
DIMENSIONS	9.2" x 7.4" x 7.4" (232 x 188 x 189 mm)	
VIRTUAL TRACKING	FreeD	

