

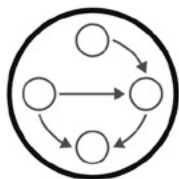
PTZ



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 | |

