



X-SERIES PAN/TILT HEADS

A pair of compact, quiet and robust pan & tilt heads that are perfect for remote camera applications where the quality, flexibility and performance of a discrete head/camera/lens solution is required. With a class-leading 6.8 kg (15 lbs) payload capacity, they can handle practically any ENG or BOX camera and lens combination. Accompanied by our free DashBoard control software that enables tightly integrated, fully customizable video production solutions, the X-series heads are ideal for legislatures, houses of worship, corporate conference / presentation spaces, training centers, newsrooms, radio, education, and more.



EASY INTEGRATION

Support for the Furio protocol enables integration with a wide array of Ross control systems, including our free DashBoard control interface, SmartShell robotic control system, OverDrive APC software, Acuity and Carbonite switchers, Lucid virtual solutions, and more.



SIMPLE SETUP

Compact size, a plethora of mounting options, and fewer cables to run, all simplify installation. In addition, the local UI makes configuration a breeze.



ROBUST AND RELIABLE

All-metal construction that can stand up to the most demanding, high-use applications, combines with Ross Video's legendary global support to deliver unbeatable peace of mind.



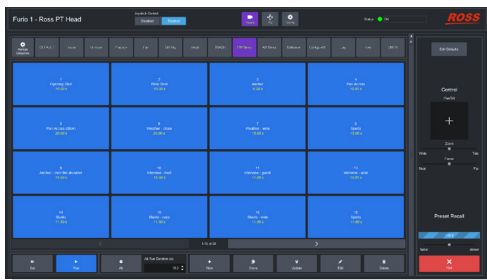
MULTIPLE CHOICE

The X-series is available in two models: the full-featured X350 that includes a touchscreen interface, a full suite of camera connectivity options, and virtual tracking data, and the entry-level X300 that offers the same great performance and reliability, but without some of the more advanced features – at a very attractive price. Because the X-series is all about providing freedom and flexibility.

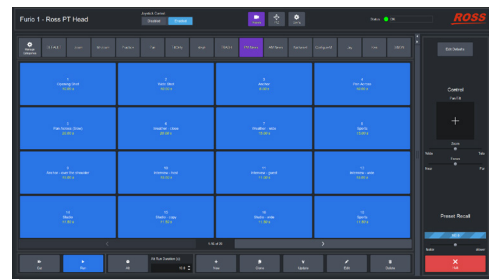
IN CONTROL

Both X-series heads can be controlled directly from Ross Video's DashBoard facility control software, which supports all of the core features of our PT heads at an unbeatable price: FREE! DashBoard can also be used to create customized, integrated production solutions that include Ross switchers, routers, graphics and more.

Alternatively, all X-heads can be controlled from our more advanced SmartShell robotic control solution, alongside Furio dollies and CamBot XY pedestals, allowing them to be easily added to any new or existing Ross Robotics installation. In fact, the X350 can be mounted on top of a Furio SE Dolly or Blackbird, just like our larger VR600 head. And just like the VR600, the X350 delivers accurate tracking data for Virtual Sets or Augmented Reality.



DashBoard Preset Matrix



DashBoard On-screen Joystick Control



SmartShell Camera View



SmartShell Matrix

SMOOTH AND DYNAMIC

Just like its larger siblings, the X-series heads incorporate Anti-Backlash Gears and MotionDirector Technology for smooth, synchronized movement across all axes. This produces clean, natural-looking on-air movements, including keyframed sequences or “moves”, creating more dynamic images than possible with a PTZ camera.

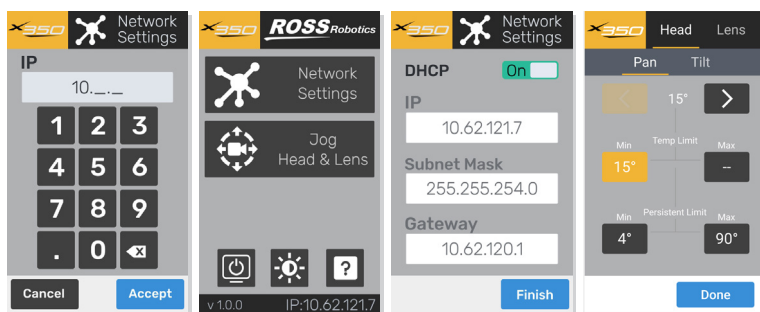
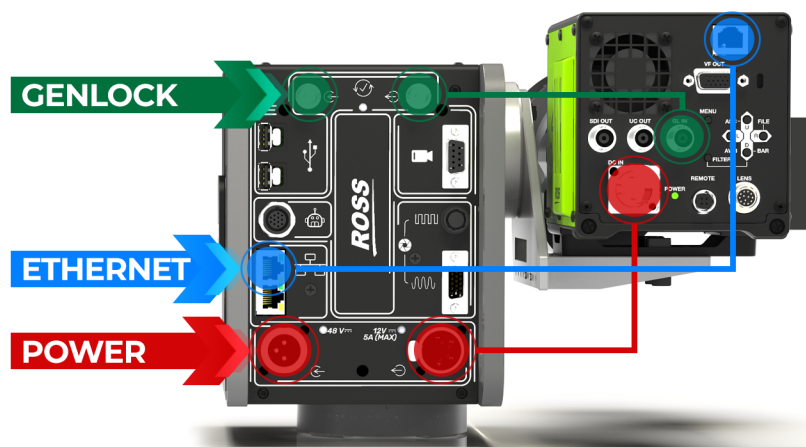


EASY AND FLEXIBLE

Thanks to their fully native IP-based control interface and flexible control architecture, the X-heads are simple to install into new or existing venues.

A full suite of camera connections reduces the number of cables running to the head, further simplifying installation: a second Ethernet port and integrated 1x2 switch for cascading an IP connection to the camera, a sync output for Genlock, lens' zoom and focus control and a 12VDC supply for powering the camera.

Finally, the X350 offers a large, high resolution color touchscreen display that makes it easy to install, configure and troubleshoot locally. The touchscreen can also serve as an integrated tally light and camera ID number.



ROBUST PERFORMERS

The X-series have the highest payload in this class of compact pan/tilt heads, allowing you the freedom to choose the camera and lens combination that is best suited to your needs.

With a solid aluminum chassis and steel gears, X-series heads are designed to deliver long-term on-air reliability and lower maintenance costs – particularly important when mounted in hard-to-reach places where access can be a challenge.

PERFECT FIT

Thanks to their ultra-compact form factor and flexible mounting options, the X-series heads can be mounted just about anywhere, in any environment: wall-mounted, suspended upside down from the ceiling or lighting truss, mounted on a tripod or other traditional camera support to unobtrusively position the camera and capture the action.

The X-series heads are quiet and unobtrusive making them suitable for meeting rooms, concert halls – any place where room acoustics can cause sound to carry.



WALL MOUNT BRACKET



ROSS

SPECIFICATIONS	X300	X350
DIMENSIONS (H X W X D)	187 mm x 197 mm x 149 mm 7.35" x 7.75" x 5.86"	
WEIGHT	5.0 kg / 11.0 lbs	5.3 kg / 11.7 lbs
MOUNTING OPTIONS	Tripod, Ceiling Mount, Wall	Tripod, Ceiling Mount, Wall, BlackBird, Furio
DRIVE TRAIN	All metal (steel) helical gears, with Anti-Backlash mechanism, brushless DC servo motors	
MAX PAYLOAD	6.8 kg / 15 lbs	
PAN / TILT SPEED	0.01 to 45°/sec	
PAN RANGE	±179°	
TILT RANGE	±90°	
REPEATABILITY	±0.05°	
LENS SUPPORT	Canon and Fujinon full servo digital and analog lenses	
POWER CONSUMPTION	144W (3A @ 48VDC)	210W (4.4A @ 48VDC)
USER INTERFACE	Webpage for remote configuration and backup	Integrated 5.0" touchscreen for configuration, Tally and Camera Number Webpage for remote configuration and backup
INTEGRATED TALLY/CAMERA NUMBER	N/A	Yes
TRACKING FOR VS/AR	N/A	Yes
GENLOCK	N/A	Yes
CAMERA POWER OUTPUT (AVAILABLE FROM HEAD)	N/A	5A @ 12VDC, max 60W
CAMERA CONTROL INTERFACE	Ethernet, via 1x2 switch (RJ45)	
NETWORK	100/1000 Ethernet	
EXPANSION	N/A	2x USB 2.0
FURIO SYSTEM INTERFACE	N/A	1x CAN connector
ROTATABLE LOGO	N/A	Yes
CONTROL INTERFACE	Furio API	
CERTIFICATIONS	CE, UL, CSA, FCC	

DIMENSIONS

