

# ***ROSS*** Robotics

| PAN TILT HEADS



***ROSS***

# | PAN TILT ZOOM FOCUS

The Ross Family of pan tilt heads provide an option for almost any project. From extremely large payloads of up to 90 kgs (200 lbs) to ultra-quiet, compact heads that are perfect for mounting in smaller studios where space is at a premium; all with industry-leading performance.

## SMOOTH

300, 500, 600 and 700 series heads feature special gearboxes that eliminate backlash, as well as high-resolution servos to produce smooth and highly repeatable movements.

## TRACKED

The X350 and VR series heads provide accurate tracking data on pan, tilt, zoom and focus position, making them perfect for virtual sets or augmented reality.

## FLEXIBLE

Ross heads are available with a variety of mounting options that allow them to be placed on top of tripods or pedestals, hung upside down from a ceiling or trusses, or bolted to a wall, desktop or alcove.

## LOCALLY CONTROLLED

PT series heads offer an optional Local Control module that provides a local interface for releasing robotic control of the head, and permitting it to be positioned using manual pan bars. Returning to remote robotic control is as easy as flicking a switch, and does not require homing to re-establish accuracy of presets.

## POWERED BY MOTION DIRECTOR

The VR and X-series of heads unleash the full power of MotionDirector, combining the unequalled beauty of naturally smooth and synchronized programmed key-framed moves, with the flexibility to make in-flight manual corrections from the joystick panel. Because the real-world can be unpredictable, and you need a robotic system that gives you the ability to adapt to everything it can throw at you.

## DASHBOARD ENABLED

Perfect for simplified productions, all Ross pan and tilt heads are controllable from DashBoard at no cost.



600PT



VR600



700PT





# | SPECIFICATIONS



STANDARD PT HEAD SPECIFICATIONS				
	X300	520PT	600PT	700PT
MAX. NET PAYLOAD	6.8 kg (15 lbs)	30 kg (70 lbs)	57 kg (125 lbs)	90 kg (200 lbs)
MIN.- MAX. PAN/TILT SPEED	0.01 to 45%/sec	0.001 – 90 %/sec	0.001 – 90 %/sec	0.001 – 90 %/sec
PAN/TILT REPEATABILITY	±0.05deg	< 0.02deg	< 0.02deg	< 0.02deg
MAX. PROMPTER SIZE	None	Max. 15"	Max. 19"	Virtually unlimited
WEIGHT PAN/TILT HEAD	5.0 kg (11lbs)	9.1kg (21lbs)	22.6 kg (50lbs)	32.6 kg (72lbs)
LENS SUPPORT	Analog, Digital	Analog, Digital	Analog, Digital	Analog, Digital
POWER REQUIREMENT	48V DC brick 100-240V AC	48V DC brick 100-240V AC	48V DC brick 100-240V AC	48V DC brick 100-240V AC
TRACKING FOR VS/AR	No	No	No	No



**VR600**



**X350**



#### VR-READY PT HEAD SPECIFICATIONS

	X350	VR600
MAX. NET* PAYLOAD	6.8 kg (15 lbs)	57 kg (125 lbs)
MIN.- MAX. PAN/TILT SPEED	0.01 to 45°/sec	0.001 – 90 °/sec
PAN/TILT REPEATABILITY	±0.05deg	< 0.02deg
MAX. PROMPTER SIZE	None	Max. 20"
WEIGHT PAN/TILT HEAD	5.3 kg (11.7 lbs)	25 kg (55 lbs)
LENS SUPPORT	Analog, Digital	Digital
POWER REQUIREMENT	48V DC brick 100-240V AC	48V DC brick 100-240V AC
TRACKING FOR VS/AR	YES	YES



## | PAN TILT HEADS

Ross Video has a complete range of technical services available to ensure that your Ross Robotics installation is a success.

Operational Training can be provided at Ross Video, on-site, or on the web. Experienced Ross operators will teach your staff to get the most out of your new system and enhance your productions.

Commissioning is a service to help get your production system properly configured, connected, and installed. This service is performed by factory-trained Ross technical staff.

Technical Training can be provided at Ross Video, on-site, or over the web. Technical training will teach your engineering staff the technical details of the system you have purchased. System configuration, interfaces, databases, and routine maintenance procedures are some of the topics covered.

Your Ross Robotics comes standard with a 1 year comprehensive warranty. Extended Warranties on hardware and software maintenance are available for an annual fee.

Technical advice is available on-line, by telephone, or email to Ross Video – Included for the life of your system.

### Contact Us

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### ROSS VIDEO LIVING LIVE!

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Sport & Live Events  
Legislative  
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Education  
Corporate

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Control Systems  
Routing Infrastructure  
Signal Processing Infrastructure  
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Asset Management & Storage

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Creative Services  
Mobile Production

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