

CamBot

Reliably Accurate
Robotic Pedestals



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Power, Precision, and Reliability

The CamBot range of free-roaming pedestals offers three distinct choices to suit a wide variety of studio applications and capital budgets. All three members of the series are built on the same proven pedestal base. This base features the industry's best accuracy and floor repeatability, fast and easy targeting, and a straight-forward design that provides years of reliable, low-maintenance operation.

600XY-S2

With its breakthrough, entry-level price-point, the 600XY-S2 combines a 2-stage lift with the 600PT head. With a net payload of 125 lbs (57 kg), the 600XY-S2 can handle most of today's studio camera configurations, including ENG/EFP-style cameras and lenses, with full-sized teleprompters, talent monitors, clocks and tally lights.

600XY-S3

The mid-range 600XY-S3 provides a 50% increase in elevation range over the 600XY-S2 providing for a wider range of shots to be achieved, including the ability to more naturally cover both standing and seated talent positions.

700XY

At the top of the range sits the market-leading 700XY, whose payload capacity, accuracy and reliability are unmatched in the industry. With a 200 lb (90 kg) net payload, the 700XY can support some of the largest box lenses and studio cameras still in use today



MotionDirector in action



FEATURES & BENEFITS

FEATURES	BENEFITS
UNIQUE DIFFERENTIAL STEERING	The CamBot's unique two-wheeled design eliminates the wheel-scrubbing that results in the rapid accumulation of floor-error that plagues caster-based designs.
LOCAL / MANUAL CONTROL	CamBot's local control module allows an operator to convert the system to a manually operated pedestal and pan-tilt head at the flick of a switch. Because the motors and encoders remain engaged at all times, the robot continues to track its position, eliminating the need for re-homing once it is returned to full robotic control.
RAPID, ACCURATE TARGETING	Targeting is based on optical pattern recognition technology that provides millimeter accuracy and takes less than a second to complete.
VIRTUAL TRACKING DATA	All CamBot XY-pedestals offer high resolution virtual tracking data as a standard feature on all seven axes, even when being operated manually. Combined with unbeatable floor accuracy, CamBot XY pedestals are ideal for adding augmented reality to existing hard sets, or for use in full-blown virtual sets.
New KEYFRAMED MOVES	Using MotionDirector technology, all CamBot XY- pedestals can be programmed with keyframes and adjusted while in motion. Manual (joystick) movements can be recorded, one or more axes at a time, ovetop of a keyframed move.

SPECIFICATIONS

The 600XY-S2 & S3 and 700XY provide industry-leading performance in a compact, reliable, and low maintenance free-roaming XY pedestal.

FEATURE / PERFORMANCE PARAMETER	600XY-S2	600XY-S3	700XY
MAX. NET PAYLOAD	57 kg (125 lbs)	57 kg (125 lbs)	90 kg (200 lbs)
MAX. LIFT SPEED	12.7 cm/s (5"/s)	15 cm/s (6"/s)	15 cm/s (6"/s)
ELEVATION RANGE	50.8 cm (20")	76.2 cm (30")	76.2 cm (30")
MAX. ELEVATION (TO TILT AXIS)	163 cm (64.3")	176 (69.1")	179 cm (70.6")
MAX. XY SPEED	30 cm/s (12"/s)	30 cm/s (12"/s)	30 cm/s (12"/s)
XY REPEATABILITY	±0.1%	±0.1%	±0.1%
MIN.- MAX. PAN/TILT SPEED	0.001 - 90 deg/sec	0.001-90 deg/sec	0.001-90 deg/sec
PAN/TILT REPEATABILITY	<0.02 deg	<0.02 deg	<0.02 deg
SYSTEM WEIGHT	155 kg (341 lbs)	162 kg (357 lbs)	170 kg (375 lbs)
VIRTUAL TRACKING DATA	Included, 7-axes	Included, 7-axes	Included, 7-axes



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Ross Video has a complete range of technical services available to ensure that your CamBot 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 CamBot 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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Technical Support

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