

HS RANGE

PAN AND TILT HEADS

The full **HS Range** of remote pan and tilt heads are designed to support the latest studio, or portable cameras and lenses with any combination of lens, viewfinder or teleprompter.



The extremely rigid mechanical design and high precision servo technology ensures the HS Range of heads provide broadcast quality smooth movement at all times, while still achieving outstanding acceleration working seamlessly with the Vinten Radamec Control System.

The **HS 2010RED** and **2010MED** include an electronic drag system in the pan and tilt axes, providing smooth continuously variable drag over a wide range.

The **HS 105P** is designed specifically for use with ENG size camera and lens configurations with a 34kg (75 lbs) capacity.

The fast acceleration and angular velocity of the **HS 105P** lends itself to a variety of applications outside the studio environment, including parliamentary, or conference coverage.

The **HS 102P** is a small profile versatile remote pan and tilt head that can be wall mounted, hung from a ceiling suspension bracket, or used with a tripod or pedestal. It delivers high speed and accuracy in very tight spaces.

The heads are also available in weatherproof versions, which will operate over an extended temperature range of -20°C to $+50^{\circ}\text{C}$ / -4°F to 122°F .

For virtual studios there are factory fitted ImageTracker™ [IT] solutions available, providing real time digital electronic positioning of pan, tilt, zoom and focus to external graphic computers in each of the heads described here.

Key Features

- ➔ Genuine broadcast quality movement, reliability and durability, matched only by the Vinten Radamec range of heads
- ➔ Range caters for all known broadcast camera configurations
- ➔ All may be used with the native lens drive for Autocam heads for direct lens servo control
- ➔ Can all be controlled by the Vinten Radamec Control System

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HS RANGE PAN AND TILT HEADS

Technical Specification

	HS-2010MED	HS-2010RED	HS 105	HS 102
Payload	90kg / 199lbs	54.4kg / 120lbs	34kg / 75lbs	16kg / 35.3lbs
Weight	41kg / 90lbs	37.2kg / 82lbs	17.2kg / 38lbs	7.7kg / 17lbs
Height	444mm / 17.5"	444mm / 17.5"	437mm / 17.2"	225mm / 8.9in
Width	508mm / 20"	508mm / 20"	367mm / 14.4"	371mm / 14.6in
Depth	241mm / 9.5"	241mm / 9.5"	178mm / 7"	161.8mm / 6.4in
Angular Range (pan)	359°	359°	359°	359°
Angular Range (tilt)	±45° typical	±45° typical	359° capable ±30° typical	±179°
Accuracy (Pan & Tilt)	90 Arcseconds	90 Arcseconds	90 Arcseconds	60 Arcseconds
Angular Acceleration	120° / second/ second	180° / second/ second	180° / second / second	180° / second / second
Angular Velocity (Max)	60° / second	90° / second	180° / second	60° / second
Angular Velocity (Min)	0.01° / second	0.01° / second	0.01° / second	0.01° / second
Power Supply Requirement	100-240 VAC / 50-60 Hz	100-240 VAC / 50-60 Hz	100-240 VAC / 50-60 Hz	100-240 VAC / 50-60 Hz
Power Supply Consumption (Peak)	250W	250W	500W	150W
Operating Temperature Range	20°C ~ +50°C -4°F ~ +122°F	-20°C ~ +50°C -4°F ~ +122°F	-20°C ~ +50°C -4°F ~ +122°F	-20°C ~ +50°C -4°F ~ +122°F
IMAGETRACKER HEADS ONLY				
Resolution of pan & tilt	2,097,152 counts per 360° revolution	2,097,152 counts per 360° revolution	479,625 counts per 360° revolution	1,040,384 counts per 360° revolution

Specifications and features subject to change without notice

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Robotic Camera Control Systems