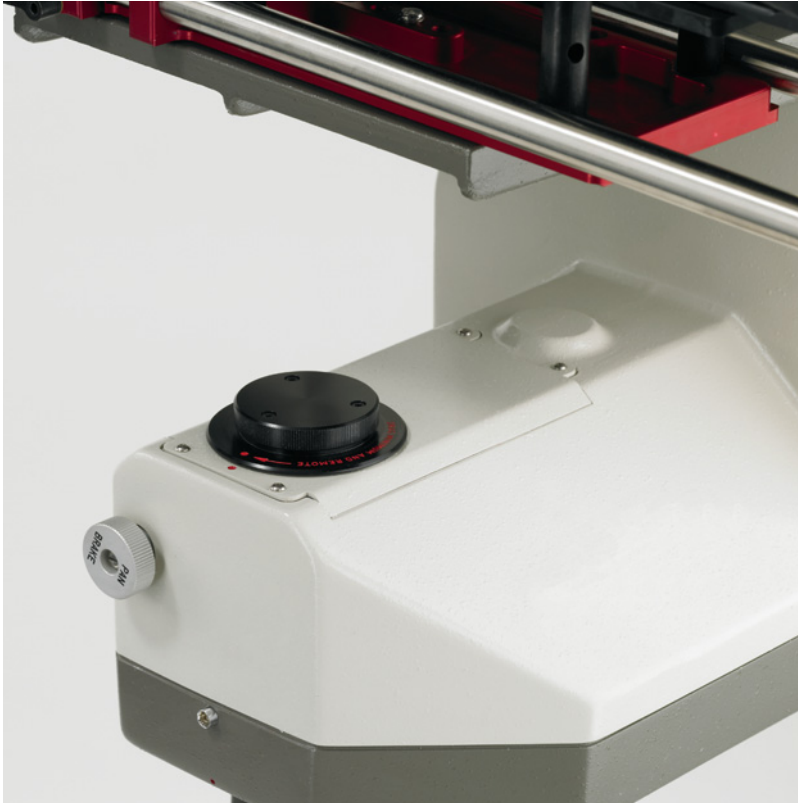


436VR

VIRTUAL STUDIO SENSOR HEAD
MANUAL AND ROBOTIC PAN AND TILT HEADS

The 436VR pan and tilt head is designed for use in virtual reality studios. This remote or manual operation head includes internal VR processing electronics.



This internal module benefits from an intuitive user interface display for set-up and diagnostic purposes. The display enables the user to select baud rate, measurement axes and reference source, and view real-time parameters such as lens barrel rotations, pan and tilt angles, and data packet count.

The head is fitted with two high-resolution self-referencing encoders with DSP technology, which detects the slightest movement of pan or tilt. These signals are then combined with measurements of zoom, focus and any other axes (such as X, Y, height) and transmitted to the studio VR system as serial data. The measurement

Key Features

- ➔ Lightweight compact size
- ➔ 110lb (50kg) payload
- ➔ Instantly switchable manual control
- ➔ Adjustable fluid damping
- ➔ Inverted mounting for suspended cameras
- ➔ Intuitive diagnostic display and menu
- ➔ Can be controlled by the Vinten Radamec Control System

electronics can be locked to video reference or polled by the VR system. The protocol has been integrated to all the major VR system suppliers.

The 436VR pan and tilt head will support a maximum payload of 110lbs (50kg) and is therefore suitable for ENG cameras/lenses with teleprompters. Adjustable fluid dampers and brakes ensure smooth operation when manual control is desired. The robust and reliable mechanical design assures problem-free operation over many years.



436VR

VIRTUAL STUDIO SENSOR HEAD MANUAL AND ROBOTIC PAN AND TILT HEADS

Technical Specification

Mechanical Travel - Pan	355°
Mechanical Travel - Tilt	± 40°
Maximum Speed	60 degrees / second - configurable
Minimum Speed	0.1 degree / second
Resolution (SPI)	0.001°
Repeatability	3 mins of arc
Maximum Payload	110 lbs / 50kg
Weight of Head	55 lbs / 25kg
Fixing Details	4 – 3/8in x 16 Dia U.N.C. studs equi-spaced on 4.375" PC Dia 4 – 3/8in x 16 Dia U.N.C. studs equi-spaced on 111.12mm PC Dia

Specifications and features subject to change without notice

DRIVING THE FUTURE

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Robotic Camera Control Systems