

# VISION 250E & VECTOR 950E

## VIRTUAL REALITY TRACKING SOLUTIONS MANUAL BASED PAN AND TILT HEADS

Virtual Reality Tracking Solutions  
Manual Based Pan and Tilt Heads



### Vision 250E

The Vision 250E combines a manually operated pan and tilt head with optical encoders, to provide precise real time digital electronic positioning of pan and tilt.

The Vision 250E tracking head provides the most complete link between an operators desired performance from a pan and tilt head and the accuracy demanded for virtual applications.

By providing encoders to the universally acclaimed Vision 250 head enables genuine high-end production capability for more budget sensitive needs such as webcasting, small studio productions and other on-location applications.

The 250E is based on the award winning Vision 250 pan and tilt head, which uses a unique "twin spring balancing mechanism", to provide infinitely adjustable perfect balance throughout the tilt range.

Combined with the exceptional TF drag system, illuminated level bubble and back lit drag knobs, counterbalance positional display and an optional two-year warranty.

### Vision 250IT

The Vision 250IT uses the Vision 250E, but includes an encoder capture board which provides positional data to the virtual set computer via a switchable RS-232 or RS-422 port, this is compatible with most virtual studio systems currently in use.

### Vision 250SPI

The Vision 250SPI will be added to the range in the next few months, again using the 250E as its base product. The addition of the new serial protocol interface box for not only providing a single data stream to the rendering system, but also a direct interface to the modern lenses with encoder outputs, or the bolt on lens encoders ordinarily provided by Radamec or Vinten.

DRIVING THE FUTURE

### Vector 950E

The Vector 950E combines the award winning manually operated Vector 950 pan and tilt head with optical encoders to provide precise real-time digital electronic positioning.

The Vector 950E has been specifically designed to meet the exacting demands of camera operators working in virtual production with full facility studio and OB cameras, offering a high level of control with many unique features.

The Vector 950E is fitted with very high quality rotary optical incremental encoders in both the pan and tilt

axis, and are accessed via a connector at the front of the head. Power to the encoders is 5V dc at 200mA maximum.

### Vector 950SPI

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## Technical Specification

	Vision 250 E	Vector 950 E
Height	184mm / 7.2"	248mm / 9.7"
Length	160mm / 6.3"	225mm / 8.8"
Width	300mm / 11.8"	342mm / 13.5"
Weight	7.25kg / 16lbs	16.7kg / 36.8lbs
Tilt Range	± 90°	60kg payload to ±90° / 132lbs payload to ±90° 120kg payload to ±60° / 264lbs payload to ±60°
Capacity Range	10-33kgs / 22-73lbs	16-120kg / 35-264lb
Pan Resolution	Up to 802,560 counts per revolution	641,280 direct counts per 360°
Tilt Resolution	Up to 307,200 counts per total range of tilt	319,015 direct counts per 180°
Encoder Power Requirements	5 volts dc ± 10%	5V dc ±10%

# DRIVING THE FUTURE

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