Fusion FH-100

Robotic and Manual Head

Up to 55 kg (121 lbs)

VR Option

The **Fusion FH-100** from Vinten Radamec has been designed for use as a standalone device or for seamless integration with the Fusion FP-188 robotic pedestal.

The Fusion head has a 55kg payload, and can be used in either manual or robotic mode.

Continuing the manual and robotic capabilities of the Vinten Radamec range, the Fusion head utilises the award winning LF drag system used in the Vector 90 providing familiar drag performance for manual operators.

With a simple clutching mechanism the FH-100 Fusion Head regains robotic control by remotely driving the mechanical clutch.

The straightforward robust mechanical design and leading edge electronics development provide the perfect combination for a high performance head, both in flexibility and in accuracy.

The integral lens drive has automatic configuration for directly driving any full servo digital Canon or Fujinon broadcast lens, increasing the operational flexibility further.

The head contains its own power supply unit, allowing for mains to be taken into the head, either from the pedestal, or directly from the studio supply.

The data cabling is standard IT category 6.

The head is compatible with the Vinten Radamec Control System.

Technical Specification

Part Number	**V3979-0001**
FH-100 VR Upgrade Part Number	**V4078-0003**
Height	520 mm / 20.4 "
Width	225 mm / 8.9 "
Length	404 mm / 15.9 "
Weight	24.5 kg / 49 lbs
Maximum Payload	55 kg / 121 lbs
Pan Range	359°
Manual to Robotic Changeover	Mechanical clutch, driven return to robotic
Manual Drag System	Lubricated Film as per Vector 70
Maximum Speed - Pan/Tilt	60°/ sec
Minimum Speed - Pan/Tilt	0.1° / second
Fixing Details	4 x M6 equally spaced on 84 mm diameter 4 x M6 equally spaced on 3.3 " diameter
Tripod Adaptor	Available
Integral Power Supply Unit	Autoranging 110-240V AC 50/60 Hz
Maximum Power Peak	200 Watts
Power	EIC Type A connector
Lens Control Outputs	Direct to Canon or Fujinon Digital Full Servo lenses via 15 pin connector to lens manufacturer standard
Encoder Resolution Pan: Tilt:	 819,200 counts per 360° 819,200 counts per 360°

Key Features and Benefits

- **+ The only on shot performing manual and robotic pan and tilt head available in the market**
- **+ Direct drive of all broadcast quality full servo digital lenses from Fujinon and Canon**
- **+ Additional mounting points for preview monitors to further improve on shot performance**
- **+ VR Upgrade available - VR data output in both robotic and manual modes**