

Fusion FHR-120

Robotic only Head

Up to 55 kg (121 lbs)



Technical Specification

Part Number	
FHR-120	V4030-0003
FHR-120VR	V4036-0001
FHR-120VR Upgrade	V4078-0001
Height	500 mm / 19.7 "
Width	220 mm / 8.7 "
Length	390 mm / 15.4 "
Weight	21 kg / 46.2 lbs
Maximum Payload	55 kg / 121 lbs
Pan Range	359°
Maximum Speed - Pan/Tilt	60° / second
Minimum Speed - Pan/Tilt	0.1° / second
Repeatability	3 mins of arc
Fixing Details	4 x M6 equally spaced on 84mm / 3.3 " diameter
Tripod Adaptor	Available
Integral Power Supply Unit	Autoranging 110-240V AC 50/60 Hz
Maximum Power - Peak	200 Watts
Power	IEC Type A connector
Lens Control Outputs	Direct to Canon or Fujinon Digital Full Servo lenses via 9 pin connector to lens manufacturer standard
Encoder Resolution	
Pan:	2,360,000 counts per 360°
Tilt:	2,357,280 counts per 180°

The **Fusion FHR-120** Robotic Only Head from Vinten Radamec has been designed for use as a standalone device or for seamless integration with Fusion Robotic and Manual Pedestals and the Bolt on Height Drive FBH-175 where manual capability is not likely to be required.

The Fusion head has a 55 kg (121 lbs) payload.

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, with head positioning repeatability better than 100 Arcseconds.

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 FHR-120 is compatible with all Vinten Radamec Control Systems and Fusion Pedestals and available as the FHR-120VR for VR applications, combined with the Fusion Head Processing Module (HPM). The HPM communicates directly to high Resolution encoders in the head via an expansion port. This 2D tracking solution can be combined with the FP-188 VR pedestal for full 3D virtual reality tracking.



Key Features and Benefits

- + **The most affordable broadcast quality on shot movement head**
- + **VR enabled with additional processing module**
- + **Direct drive of all broadcast quality full servo digital lenses from Fujinon and Canon**
- + **Contains its own power supply unit (autoranging 110-240V AC 50/60 Hz), allowing for mains to be taken into the head, either from the pedestal, or directly from the studio supply**
- + **Additional mounting points for preview monitors**