

Fusion FHR-35 Remote Pan and Tilt Head

A compact solution with exceptional performance

Vinten / **RADAMEC**
BROADCAST ROBOTICS

NEW



In remote locations, where a pan and tilt head must be as unobtrusive as possible, the Vinten Radamec Fusion FHR-35 provides a high quality solution. Locations such as legislative buildings, conference and educational centres, houses of worship and financial institutions can utilise broadcast quality camera and lens packages up to 16kg / 35lbs in remote locations, supported by this flexible and versatile pan and tilt head.

The Fusion FHR-35 is the first to incorporate Intelligent Control Engineering (ICE), a new platform which delivers unprecedented control and accuracy in an innovative and highly compact form. In addition to moving under robotic control, the FHR-35 also provides precise position reporting back to the controller, together with zoom and focus data from a digital lens. This unrivalled capability is provided by ICE inside the head: there are no external interface boxes or power supplies, making it the most compact head in its range.

Key Features and Benefits

- + Control of broadcast quality camera and lenses
- + High repeatability and accuracy
- + Accurate, smooth movement at a wide range of speeds
- + No external interface box or power supply required
- + Ultra-reliable communications protocol, running over a standard Ethernet network

Technical Specification

Fusion FHR-35

Part Number	V4096-0001
Height	247.5 mm / 9.7" (including lens connections)
Width	182.5 mm / 7.2" (with cradle 322.5mm / 12.7")
Length	188 mm / 7.4" (including power & data)
Weight	6.85 kg / 15.1 lbs (not including cradle) (cradle 1.25 kg / 2.75 lbs)
Maximum Payload	16 kg / 35 lbs
Pan Range	720° with end stops 319°
Maximum Speed - Pan/Tilt	60° / second
Minimum Speed - Pan/Tilt	0.01° / second
Repeatability	<60 arc sec
VR output	Optional
Fixing Details	4 x M6 on 84 PCD 6 x 10-32 UNF on 1.875 inch PCD
Tripod Adaptor	AM-VMA-105
Integral Power Supply Unit	90 – 250V AC 50/60Hz Auto-ranging
Maximum Peak Power	100 Watts
Lens Control Outputs	Digital, Analogue or Hybrid control
Auxiliary	12V out, GPIO (wash wipe, camera on/off etc)
Hard stops	Yes, also range limits set via software interface



Vinten Radamec reserves the right to alter specifications or change materials where absolutely necessary. All sizes shown throughout this brochure are approximate and colours shown are as accurate as modern reproduction methods allow. No liability can be accepted for any variation. Specifications and features subject to change without notice.

©Vinten Radamec Broadcast Robotics, Vinten, Vision and Vector are registered trademarks of The Vitec Group plc

©2011 The Vitec Group plc

Quality systems approved to ISO 9001:2000
Certificate No: Q09508
V1/11



“The ‘Intelligence’ in ICE is a major advance in technology. It’s not just the electronics but the complete engineering that provides a very accurate solution.

This is a completely new concept in camera robotics and it has been incorporated into a surprisingly compact head. Both the design and the technology is different to anything else on the market and a remarkable leap forward.”

- Karen Walker, commercial manager for Vinten Radamec.

Sales Offices

China

The Vitec Group plc China
Rm 706, Tower B
Derun Building
YongAn Dongli A No 8
Jianwai Ave, Chaoyang District
Beijing, China 100022

t +86 10 8528 8748
f +86 10 8528 8749

Japan

Vinten Japan KK
P.A. Bldg. 5F
3-12-6 Aobadai
Meguro-ku Tokyo 153-0042
Japan

t +81 3 5456 4155
f +81 3 5456 4156

Singapore

Vitec Group Videocom Division
6 New Industrial Road
#02-02 Hoe Huat Industrial
Building
Singapore 536199

t +65 6297 5776
f +65 6297 5778

France

Vitec Group Videocom Division
171, Avenue des Grésillons
92635 GENNEVILLIERS Cedex
France

t +33 820 821 336
f +33 825 826 181

Germany

Vitec Group Videocom Division
Gebäude 16
Planiger Straße 34
55543 Bad Kreuznach
Germany

t +49 671 / 483 43 30
f +49 671 / 483 43 50

Vitec Group Videocom Division
Erfurter Straße 16
85386 Eching
Germany

t +49 89 / 321 58 200
f +49 89 / 321 58 227

United Kingdom

Vitec Group Videocom Division
William Vinten Building
Western Way
Bury St Edmunds
Suffolk IP33 3TB
UK

t +44 1284 752 121
f +44 1284 750 560
Sales Fax +44 1284 757 929

USA

Vitec Group Videocom Division
709 Executive Blvd
Valley Cottage
NY 10989
USA

t +1 845 268 0100
f +1 845 268 0113
Toll Free Sales: 1 888 2 Vinten

info@vintenradamec.com
www.vintenradamec.com