



MFR-HD

Environmentally Sealed HD PTZ Camera

The MFR-HD is a very rugged PTZ camera environmentally sealed to for use in harsh environments.

It incorporates a Sony high definition block camera with a 30x optical zoom lens and a 63.7° wide angle of view. It is capable of outputting up to 1080/60p via a 3G HD-SDI connection.

There is also the option to have the video output as encoded IP video up to frame rates of 1080/30p.

It has absolute position feedback and therefore has the ability to self-correct its actual position if external forces act upon it. Eight user preset settings can be saved allowing PTZ framing and camera racking profiles to be easily recalled.

The pan and tilt drive trains are actuated by gearless stepper motors, reducing the operational noise to a minimum. Pan and tilt speeds are zoom factor corrected, giving fine control over the entire range of the lens with pan speeds up to 100° per second.

Remote control of the camera and motor drives is via Sony Visca or PelcoD protocols over RS232 or RS485 serial connections.

Power and data to the camera is via a Fischer minimax connector.

The outer casing is manufactured from aluminium. All external mating surfaces are gasket sealed to maintain its IP67 rating.

Overview

HD-SDI Output
1080/60p Resolution
30x Optical Zoom
Digital Zoom Selectable
IP Encoder Option
Configurable Bit-rates
Fast Pan Speeds, 100°/Sec
Progressive Speed Control
High Resolution and Accuracy
Position Recall
User Presets
Multiple Control Protocols
IP67 Rated
Aluminium Casing



Overall Dimensions



Kit Contents
MFR-HD Camera
Universal Comms Cable
AC/DC 12V 3A Power supply
USB Memory Stick
Peli Case

Kit Part Numbers	
Camera Kit	110-3841
IP Encoder Option	110-4012

Specifications			
Sensor	1/2.8" Type CMOS	User Presets	8
Sensitivity	<0.05 Lux, ICR On	Pan Range	Continuous
Resolution	1920 x 1080 Pixels	Tilt Range	270°
SNR	>50dB	Lens Drive	Silent Stepper
Field of View	63.7°	Pan & Tilt Drive	Low Noise Stepper
Optical Zoom	30x	Power Requirement	9-18V DC, 11.5W
IP Streaming	RTSP over UDP or TCP	Environmental	IP67
Video Encoding	H.264 and MJPEG	Weight	1.5kg
Encoder Configuration	Web page Interface	Dimensions	Ø 115 x 182.4 mm
Serial Protocol	RS232/485 Visca, PelcoD	Casing	Aluminium

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Product specifications subject to change without notice

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