

SMR FH-HI/FH-HC Series Fortified Camera System

HIGH TEMPERATURE

Product Features

- Integrated Camera System including Enclosure, Lens, Camera, and Power Supply; all FH Series Camera Systems are Wired, Tested, and Certified
- Temperature Range from -10° to 70°C (14° to 158°F)
- Active Cooling System
- Excessive Temperature Warning
- IK10 Mechanical Impact Resistance
- Analog and IP Camera Models with Lens Options
- Input Voltage from 100 to 240 VAC
- Optional Fiber Optic Media Converter for IP Camera Models



Integrated Camera System

The active on-board air conditioning system of the **FH-HI/FH-HC Series Fortified Camera System** protects the camera and other system-related electronics from heat buildup on sensitive components.

The **FH-HI/FH-HC Series** IP66 with active cooling technology and is dust- and water-tight. The enclosures house one of several camera options. The **FH-HI/FH-HC Series** is ideal for installations in high temperature environments.

Single Part Number

The **FH-HI/FH-HC Series** is a complete camera, lens, enclosure, power supply, and optional fiber optic media converter system. All **FH Series Camera Systems** are prewired and ready for immediate installation.

Active Cooler

The **FH-HI/FH-HC Series** contains an active cooling system that operates as a refrigerator to remove heat from the internal camera chamber. This active system allows the camera to operate with continuous external temperatures up to 70°C (158°F).

Optional Fiber Media Converter

Pelco IP camera systems can be configured with an optional fiber optic media converter. The fiber media converter uses FSFP technology to give the installer the choice of many fiber media formats from single mode to multimode.

Over temp Alarm

The **FH-HI/FH-HC Series** provides an over temp alarm that can be integrated into screen displays (analog versions) or into Pelco Endura and Digital Sentry VMS platforms. In addition, an API exists for the overlay alarm to be integrated into other systems.



TECHNICAL SPECIFICATIONS

SYSTEM COMPONENTS

FMCI-PF1M Series Media Converters

- 10/100Mbps Ethernet
 - 10Base-T/100Base-TX Electrical Port
 - 100Base-FX Optical Port
- Optical Port Supports 100 Mbps Full-Duplex Data
- Supports Distances up to 80km (49.7 mi) Using Interchangeable Small Form-Factor Pluggable (FSFP) Modules for Specific Fiber Type, Distance, and Connector (Must Be Ordered Separately)
- Designed to Meet NEMATS1/TS2 and Caltrans Traffic Signal Control Equipment Environmental Standards



FSFP Series Transceivers

- Interchangeable FSFP Transceivers to Match Media Type, Fiber Count, Fiber Path Length, and Connector Type
- No Performance Adjustments Required
- Multi-Source Agreement (MSA) Compliant
- Compliant with IEEE 802.3 Standards



- Below is a list of the combinations we have done.
- But we can offer any combination that is required.
- If you do not see what is needed please ask.

FH-HI Series	Camera	Lens	Media
SM-FHE350F-3432	IXE32	YV3.3X15SR4A	FMCI-PF1M
SM-FHXE350-3432	IXE32	YV3.3X15SR4A	
SM-FHE38-3432		YV2.8X2.8SR4A	
SM-FHE38F-3432	IXE33	MI2.8-8.5P	FMCI-PF1M
SM-FHP3328-3432	IXE33	MI2.8-8.5P	
SM-FHE3950-3432		MI9-50P	

GENERAL

Construction	
Enclosure	High-grade thermoplastic
Mounting Arm	Die-cast aluminum
Window	High optic Lexan™
Aluminum and polycarbonate	
Finish	White; powder coated wall arm and knuckle
Environment	Outdoor
Operating Temperature	–10° to 70°C (14° to 158°F)
Storage Temperature	–10° to 60°C (14° to 140°F)
Operating Humidity	10% to 90%, RH noncondensing
Dimensions	64.11x19.21x39.12cm (25.24"Dx7.56"Wx15.40"H)
Weight	
Unit	8.80kg (19.4lb)
Shipping	11.07kg (24.4lb)

MECHANICAL

Latching	6 captive, Phillips head screws
Window Face Plate	6 Phillips head screws

ELECTRICAL

Connections	RJ-45, fiber
Input Power	100 to 240 VAC nominal
Power Consumption	1.7A maximum at 100 to 240 VAC
Active Cooler	Thermostatically controlled

RECOMMENDED MOUNTS

Corner

ECM100 or ECM101	Corner mount adapter
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Pipe/Pole

EPM	Medium duty mount for pipe/pole applications
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RATING

- IK10 mechanical impact resistance
- Meets NEMA Type 4X and IP66 standards (Enclosure and data connection compartment of wall arm)
- Meets NEMA Type 3R and IP54 standards (Power connection area in wall arm)

Pelco

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