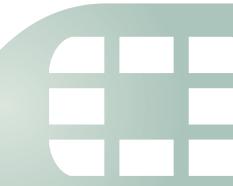


FortiCam MD20 QuickStart Guide



October 23, 2015

1st Edition

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Table of Contents

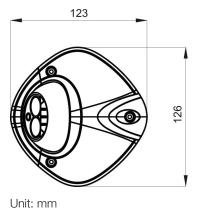
Package Contents	4
Dimensions	5
Interfaces	6
Hardware Installation	7
Connecting the Camera	9
Technical Specifications	10
Register for Support	12
Regulatory Notices	13
Cautions and Warnings	14
Fortinet Product License Agreement / EULA and Warranty Terms	15

Package Contents

- 1x FortiCam camera
- 1x drilling template
- 1x Allen wrench
- 2x screws and 2x anchors



Dimensions





Caution: A

Hardware Installation

Using the provided hardware, the camera can be attached to a wall or ceiling.

Caution: Adequate grounding must be provided to the unit and the PoE injector, in compliance with your local electrical code or regulations.



To install

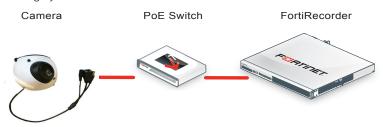
- 1. If you want to install the camera without detaching the camera base, you can use the two outer holes.
- 2. If you want to hide the mounting screws, unsrew the three screws that hold the camera to the base and use the two inner holes.
- Use the mounting template as a guide, drill two holes in the wall or ceiling.
- 4. Install the camera with two anchors and two screws.

To adjust the lens angle

- 1. Loosen the three screws that hold the camera to the base.
- 2. Twist the camema ball to the desired angle.
- 3. Tighten the holding screws.

Connecting the Camera

Caution: This device complies with IEEE 802.3af PoE specification. Do not use any PoE injectors that are not IEEE 802.3af compliant as they may damage your device.



To connect the camera

- Connect the camera's Ethernet port to the FortiRecorder NVR via a PoE switch. The camera gets its IP address from the DHCP server automatically.
- Go to the FortiRecorder web UI to configure the discovered camera. For details, see the FortiRecorder Administration Guide on http://docs.fortinet.com.

Note: The camera's fallback IP address is 192.168.1.245.

Technical Specifications

Camera	
Format	Mini dome, day/night, indoor/outdoor
Sensor Type	2 mega-pixel, 1/2.8" Sony CMOS
Iris	F1.4, fixed
Focal Length	f=3.6mm
View Angle	H: 70° V: 59° D:107°
Minimum Illumination	0.05 Lux (color), 0.01 Lux (B/W) @ F1.4
Wide Dynamic Range	Digital
Network Interface	RJ-45 Ethernet 10/100Mbps
IRLED/IRC	25m/yes
DNR	Yes
Streaming Protocol	RTSP
Video Compression	H.264
Image Resolution	1920x1080 at 25fps
Mounting	Wall, ceiling, 3-axis

Dimensions		
Height x Width x Length	2.6x4.8x5.0in (65x123x126mm)	
Weight	0.68lbs (310g)	
Environment		
Power Required	PoE 802.3af	
Power Consumption (AVG)	5W	
Operating Temperature	14-122°F (-10 - 50°C)	
Humidity	0-85% non-condensing	
Compliance		
FCC Class B/CE Mark/IP65/ONVIF2.2		

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Regulatory Notices

Federal Communication Commission (FCC) - USA

This device complies with Part 15 of FCC Rules. Operation is subject to the following two conditions:

(1) this device may not cause harmful interference, and

(2) this device must accept any interference received; including interference that may cause undesired operation.

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy, and if it is not installed and used in accordance with the instruction manual, it may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference, in which case the user will be required to correct the interference at his own expense.

WARNING: Any changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Industry Canada Equipment Standard for Digital Equipment (ICES) - Canada

CAN ICES-3 (A) / NMB-3 (A)

This digital apparatus does not exceed the Class A limits for radio noise emissions from digital apparatus set out in the Radio Interference Regulations of the Canadian Department of Communications.

Cet appareil numérique n'émet pas de bruits radioélectriques dépassant les limites applicables aux appareils numériques de la classe A prescrites dans le Règlement sur le brouillage radioélectrique édicte par le ministère des Communications du Canada.

European Conformity (CE) - EU

This is a Class A product. In a domestic environment, this product may cause radio interference, in which case the user may be required to take adequate measures.



Cautions and Warnings

Environmental Specifications

Refer to specific Product Model Data Sheet for Environmental Specifications (Operating Temperature, Storage Temperature, Humidity, and Altitude).

Référez à la Fiche Technique de ce produit pour les caractéristiques environnementales (Température de fonctionnement, température de stockage, humidité et l'altitude).

Safety

Caution: This equipment is to be used in a Network Environment 0 per IECTR 62101. This product is connected only to PoE networks without routing to the outside plant.

Attention: Ce matériel doit être utilisé dans un Environnement Réseau 0 par IECTR 62101. Ce produit est uniquement connecté aux réseaux PoE sans installation externe de routage.

This product is intended to be supplied by POE injector or by a UL Listed / IEC Certified ITE AC/DC adaptor rated output 12 Vdc, 3A or 24Vac, 2A. (marked LPS or Class 2).

The connecting cable between the outdoor equipment and the indoor ITE devices should comply with Class 3 wiring methods as listed in NEC, Table 725.154(G) for Class 3 Cable Substitutions.

Le câble connectant l'équipement extérieur et ceux d'intérieur de type ITE doit être conforme avec les méthodes de câblage de classe 3 tel que listé dans le standard NEC, Table 725.154(G) pour les câbles de substitutions de classe 3.

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