



# FortiCam CB20

## QuickStart Guide



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1st Edition

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# Package Contents

The package box contains:

- FortiCam CB20 camera
- This QuickStart Guide
- 1x mounting steel base
- 1x drilling template
- 1x screw bag with 2x anchors, 2x screws, and 2x hex bolts
- 1x Allen wrench

FortiCam CB20 camera



Mounting base



Drilling template



Allen wrench



Screw bag



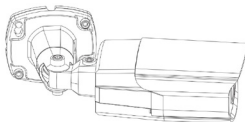
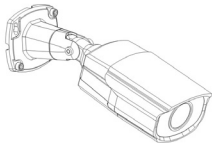
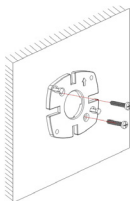
# Hardware Installation

Using the provided hardware, the camera can be attached to a wall or ceiling. Note that you can install the camera so that it can be adjusted vertically or horizontally.

**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. Drill two holes on the wall or ceiling, using the mounting template.
2. Install the mounting plate with two anchors and two screws.
3. Install the camera on the mounting plate with two hex bolts.
4. Adjust the camera to the desired angle by loosening and tightening the three joints with the Allen wrench.



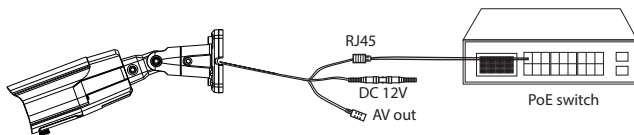
# Connecting the camera

**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

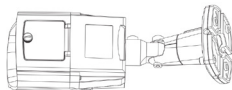
1. Connect the camera to a PoE switch.
2. Connect your FortiRecorder to the switch.

For more setup information, see the FortiRecorder Administration Guide on <http://docs.fortinet.com>.



## To adjust the zoom and focus

1. Open the lid on the bottom of the camera.
2. Move the zoom lever or the focus lever to the left or right.



**Caution:** Make sure the lid is closed tightly for weather protection.

# Technical Specifications

Camera	
Format	Indoor/outdoor Infrared night vision compact bullet
Sensor Type	2 mega-pixel, 1/2.8" Sony CMOS
Iris	F1.4, 0.01 Lux B/W, 0.05 Lux colour
Focal Length	f = 2.8 mm–12 mm varifocal
View Angle	H: 91°–31° V: 79°–23° D: 138°–40°
IRLED/IRC	30m/yes
Streaming Protocol	RTSP
Video Compression	H.264
Image Resolution	1920 x 1080 at 25 fps 1280 x 720 at 25 fps
Interface	RJ45 Ethernet 10/100 Mbps
Mounting	Wall or Ceiling

Dimensions	
Height x Width x Length (in)	2.8 x 3.3 x 9.4
Height x Width x Length (mm)	70 x 85 x 240
Weight	1.25 lbs (569 g)
Environment	
Power Required	PoE 802.3af
Power Consumption (AVG)	1.2W (6W IR ON)
Operating Temperature	14-122°F (-10-50°C)
Humidity	0-85% non-condensing
Compliance	
	FCC Class B, CE Mark, weatherproof (IP66), ONVIF2.2



# Register for Support

## **Register your Fortinet product to receive:**

- Technical support • New product features • Protection from new threats

## **Vous devez enregistrer le produit pour recevoir:**

- Support technique • Nouvelles fonctionnalités du produit • Protection contre de nouvelles menaces

## **La reistrazione ti permette di usufruire di:**

- Supporto tecnico • Nuove funzionalità • Protezione dalle ultime minacce

## **Debe registrar el producto para recibir:**

- Apoyo técnico • Nuevas funcionalidades del producto • Protección contra ataques

## **下記フォーティネットからのサービスを受けるために、ご購入製品の登録が必要です:**

- テクニカルサポート • 新機能の追加 • 新しい脅威への防御

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- 技术支持 • 新产品特点信息 • 最新威胁防护

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Toll free: 1 866 648 4638

Phone: 1 408 486 7899

Fax: 1 408 235 7737

Email: [register@fortinet.com](mailto:register@fortinet.com)

# 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 B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in residential installation. 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. However, there is no guarantee that interference will not occur in a particular installation.

If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

Reorient or relocate the receiving antenna.

Increase the separation between the equipment and receiver.

Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

Consult the dealer or an experienced radio/TV technician for help.

**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

**Radiation Exposure Statement:** This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator and your body. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

# Cautions and Warnings

## **Environmental Specifications**

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

## **Safety**

Power over Ethernet (PoE) — Do not connect this device to PoE networks with routing to the outside plant. Use this equipment in a Network Environment 0 per IEC TR 62101. Do not use PoE injectors that are not IEEE 802.3af compliant. They may damage your device. The unit is intended to be powered by PoE source of a LPS UL Listed or Class 2 IEC certified power adaptor.

Alimentation par Ethernet — Ce matériel doit être utilisé dans un Environnement Réseau 0 par IEC TR 62101. Ce matériel est uniquement connecté aux réseaux PoE sans installation externe de routage. Cet appareil est conforme aux normes IEEE 802.3af. Ne pas utiliser d'autres injecteurs d'alimentation non conformes sous peine d'endommager votre matériel. Le produit doit être alimenté par une source PoE d'une alimentation à puissance limitée (UL Listed) ou par une alimentation Class 2 certifiée par IEC.

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