Panasonic®

Installation Guide

Camera Cover   Indoor Use Only (For Ceiling Installation)

Model No.   BB-HCA1A-B (Smoke)

Ask the authorized dealer for the installation.

Supported Products (Customer-Provided) (as of Dec. 2005)

This product is a camera cover for the below cameras.
For the latest information, please visit the Panasonic website at http://panasonic.co.jp/pcc/products/en/netwkcam/.

> **Compatible Cameras**
> **Model No.: BB-HCE481A, BB-HCM381A, KX-HCM280A, KX-HCM280**
> **Additional network camera models may become available for use with this product.**

Confirm that the following items are included.

☞ Included Items

Contact your dealer if you have a problem with the included items.
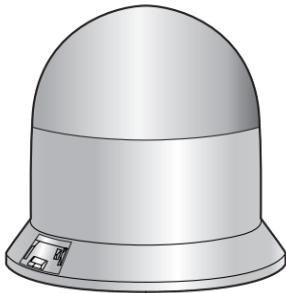
❏ **Camera Cover**··········1 pc.	❏ **Caps**·····················2 pcs.
BB-HCA1A-B (Smoke)	☑ **Installation Guide (this manual)** ··············1 pc.

Useful Information

- Dust on the camera cover affects the camera's image quality. Especially when the camera is zoomed out at the end, it is difficult to focus on the object due to the dust on the surface of the camera cover. Remove the dust and wipe the camera cover with a dry cloth. Note that wiping a dusty camera cover directly may cause scratching.
- In BB-HCE481A or BB-HCM381A, setting the automatic focus range to [Normal] prevents the dust from affecting the image quality. In KX-HCM280A or KX-HCM280, the image quality is improved in the same way by manually focusing to the far side. (See the camera's Operating Instructions for the settings.)
- The permeability of the camera cover is 36 %. The minimum illuminance of the object is 9 lx in normal mode (without the cover: 3 lx), and 0.27 lx in color night view mode (without the cover: 0.09 lx).
- The camera's indicator or Panasonic logo may be reflected into the image depending on the location, the indicator setting or the zoom magnification.
- In certain zoom magnification, using the camera cover may decrease the image quality.
- Before using, remove the protective film. During shipment, the protective film should remain attached.

> **This product is for indoor use only.**
> **Do not install this product outdoors.**
> **Outdoor Installation may cause damage to the device.**

Remove the Ceiling Mounting Cover.

1 Move the Ceiling Mounting Cover to the left until the " / " of it fits to the " / " of the main unit.

Ceiling Mounting Cover

Mark
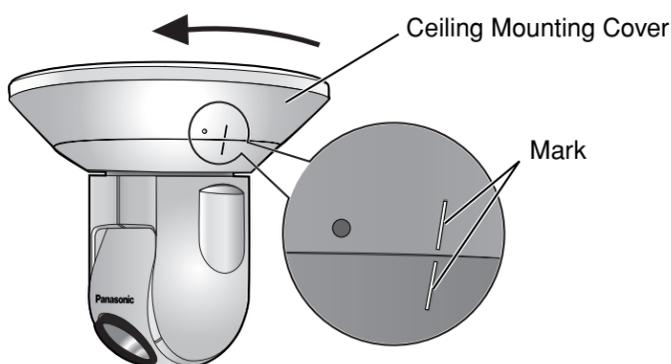
2 Remove the Ceiling Mounting Cover by pulling it down.
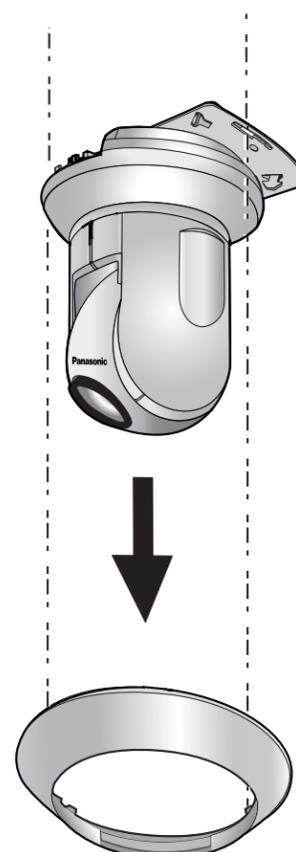
Install the Camera Cover.

1 Put the camera cover over the main unit and hook the 2 tabs of the camera cover to each hole in the plate.

Hole

Tab
Confirm that the 2 tabs are fit to each hole in the plate by watching through the openings.

2 Fasten the camera cover by turning it to the right.

3 Attach the 2 caps to lock the cover to the mounting bracket of the camera.
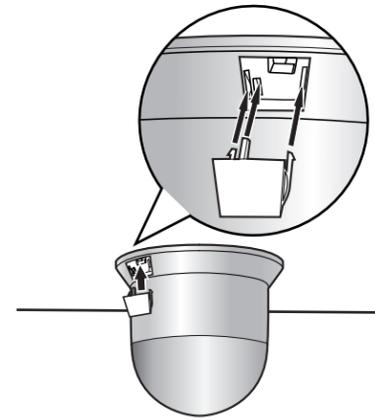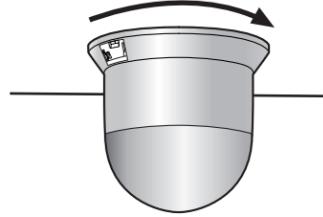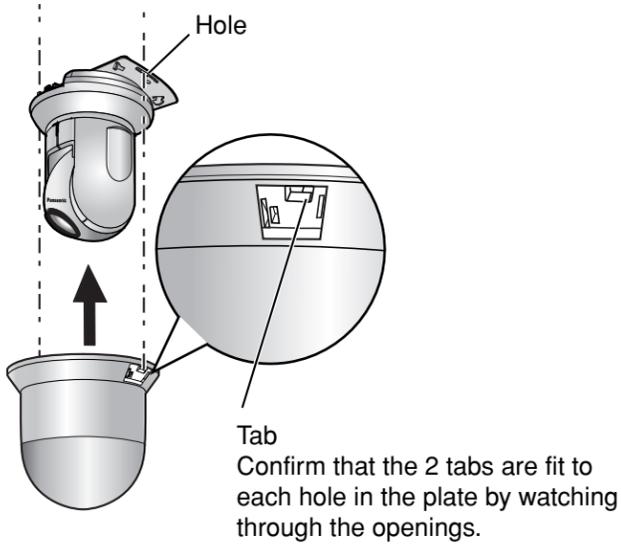
Note
After the installation, dust, dirt or insects may get into the camera cover. Remove them by regularly removing the camera cover.

■ **Removing the Camera Cover**

Insert a flat head screw driver into the groove and remove the caps, this will unlock the camera cover from the mounting bracket of the camera.

Groove
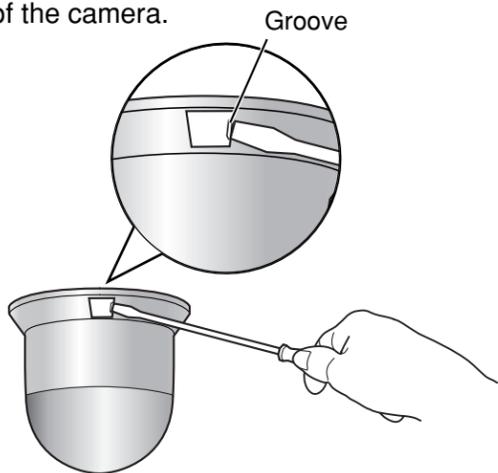
■ **Wiring Without Making Holes in the Ceiling**

Remove the notch from the camera cover and pass the wires through the hole.
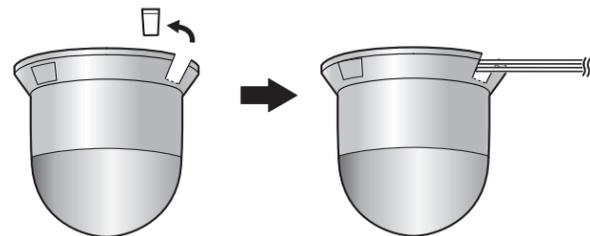
	Dimension (WHD)	Weight
Specifications	About 169 mm (6 5/8 inches) × 154 mm (6 1/16 inches) × 169 mm (6 5/8 inches)	About 180 g (0.4 lb.)