

Warnings

Installation and servicing should be performed only by qualified and experienced personnel to conform to all local codes and to maintain your warranty.

WARNING! This device is configured for 12 V DC operation only, do NOT connect to higher voltage. Use only with NRTL approved 12 V DC power supplies. To prevent potential ground loop issues a separate PSU should be used for each camera. A multiple output PSU may be used if the multiple output PSU has isolated and protected (2 A Max) outputs.

WARNING! 12 V DC models require the use of CSA Certified /UL Listed Class 2 power adapters to ensure compliance with electrical safety standards.

IMPORTANT SAFETY INSTRUCTIONS

- Read and keep these instructions.
- Please ensure that your installation area can safely support three times the weight of the camera.
- Do not install the camera in extreme temperature conditions. Only use the camera where temperatures are within the limits shown in the specifications section of the user guide. Be especially careful to provide ventilation when operating under high temperatures.
- Do not aim the camera towards an extreme light source to prevent damaging the image sensor.
- This camera—HD41H(X)—is rated for indoor operation; do not expose this camera to rain or moisture.
- Do not drop the camera or subject it to physical shock.
- Do not use a strong or abrasive detergent when cleaning the camera.

FCC Compliance Statement

Information to the User: 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 not installed and used in accordance with the instruction manual, 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.

Caution Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.




This Class A digital apparatus complies with Canadian ICES-003. Cet appareil numérique de la Classe A est conforme à la norme NMB-003 du Canada.

Manufacturer's Declaration of Conformance

The manufacturer declares that the equipment supplied with this guide is compliant with the essential requirements of the EMC Directive 2004/108/EC and the General Product Safety Directive (GPSD) 2001/95/EC, conforming to the requirements of standards EN 55022 for emissions, EN 50130-4 for immunity, EN 60065 for Electrical Equipment Safety, and EN 50581 for RoHS.

WARNING: 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.

Need Help?
Call 1.800.323.4576 for sales, service and customer support.
<https://www.honeywell.com/ss/techsupp/index.html>

	CAUTION RISK OF ELECTRIC SHOCK DO NOT OPEN		THIS SYMBOL INDICATES THAT DANGEROUS VOLTAGE CONSTITUTING A RISK OF ELECTRIC SHOCK IS PRESENT WITHIN THE UNIT.
CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE THE COVER. NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.			THIS SYMBOL INDICATES THAT IMPORTANT OPERATING AND MAINTENANCE INSTRUCTIONS ACCOMPANY THIS UNIT.

TROUBLESHOOTING

Resolving problems

The following table is intended to help identify the causes of malfunctions and correct them, where possible.

Malfunction	Solution
No image	Check the power and video connections on both camera and monitor. Ensure the 12 V DC power source is properly connected (check polarity).
The image is dim	Ensure the scene is adequately illuminated. Adjust (open) the lens iris (manual adjustment).
Poor image	Adjust the focus and ensure the lens is clean.

P/N:3810-0362C

Honeywell

Performance Series



Operation Manual

- **HD41H(X)**
700 TVL, 2.8–12 mm Manual IRIS Varifocal Lens
- **HD51H(X)**
700 TVL, 2.8–12 mm Manual IRIS Varifocal Lens, Vandal-Resistant Dome Housing
- **HD50H(X)**
700 TVL, 3.6 mm Fixed Lens, Vandal-Resistant Dome Housing

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PACKAGE INCLUDES / INSTALLATION

HD41H(X)

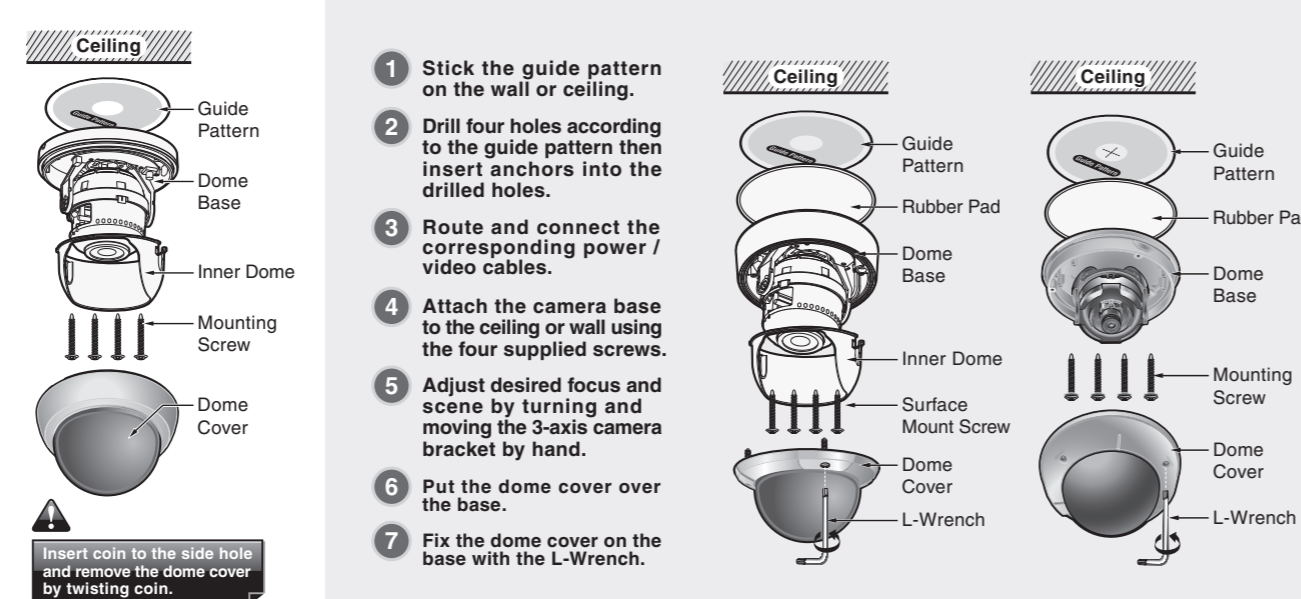
Operation Manual, Mounting Screws, Plastic Anchors, Guide Pattern

HD51H(X) and **HD50H(X)**

Operation Manual, Mounting Screws, Plastic Anchors, Guide Pattern, L-Wrench

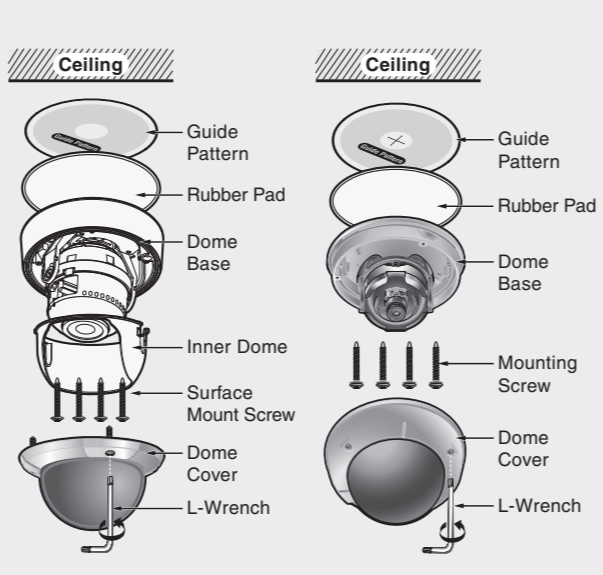
- Stick the guide pattern on the wall or ceiling.
- Drill four holes according to the guide pattern then insert anchors into the drilled holes.
- Route and connect the corresponding power / video cables.
- Attach the camera base to the ceiling or wall using the four supplied screws.
- Adjust desired focus and scene by turning and moving the 3-axis camera bracket by hand.
- Align dome cover over base and snap into place to lock.

HD41H(X) Installation:



Insert coin to the side hole and remove the dome cover by twisting coin.

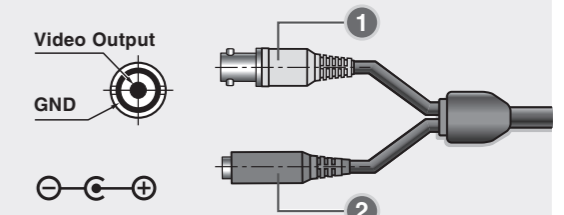
HD51H(X) / HD50H(X) Installation:



CONNECTION

- The wire is polarized.
- Use 12 V DC power source.

No.	Function	Terminal Color	Remarks
1	Video Output	Yellow	1.0 Vp-p
2	Power Input	Red	12 V DC (±20%)



SPECIFICATIONS

	HD41H / HD41HX	HD51H / HD51HX	HD50H / HD50HX
Image Sensor	1/3 inch HPI Sensor (High Pixels Image Sensor)		
Effective Pixels Array	960 (H) x 480 (V)		
Video Output	CVBS: 1.0 Vp-p (75 Ohms, composite)		
Sync. System	Internal Sync		
Lens	2.8 ~ 12 mm (Varifocal)	3.6 mm (Fixed)	
S/N Ratio	46.4 dB Min. (AGC off)		
Horizontal Resolution	700 TV Lines		
Min. Illumination	0.5 Lux		
F1.4, 30 IRE, AGC Max			
White Balance	Auto		
AGC	Auto		
Day & Night	Color		
Input / Output Connector	Power (Red Jack), Video (Yellow Jack)		
Supply Voltage	12 V DC (±20%)		
Power Consumption	50 mA / 0.6 W (Max.)		
Operating Temperature	14°F to 122°F (-10°C to +50°C) / Humidity: 30% ~ 80% RH		
Storage Temperature	-4°F to 131°F (-20°C to +55°C) / Humidity: 20% ~ 90% RH		
Dome Size (Ø)	3.94" (100 mm)	3.94" (100 mm)	3.35" (85 mm)
Weight	Approx. 0.723 lb (0.328 kg)	Approx. 1.922 lb (0.872 kg)	Approx. 0.893 lb (0.405 kg)

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