



USER MANUAL

HD-TVI Cameras

CM720P-AH | CMD720P-AH | CM1080P-AH | CMD1080P-AH | CM1080P-AH-EXIR



INTRODUCTION

Thank You & Key Product Features



Welcome

Thank you for choosing First Alert for your security needs!

For more than half a century, First Alert has made the home-safety and security products that make your life easier. Our products are built to the highest standard which has earned us a leadership role in the home-safety and security product categories. We are committed to serving our customers, from the professionals who install our products, to the families and businesses who count on them. First Alert has been helping families and businesses stay safe for over 50 years. By having a First Alert Security System, you're taking the first step in protecting your home or business from damage or theft.

This manual is written for the HD-TVI CM720P-AH, CMD720P-AH, CM1080P-AH, CMD1080P-AH, CM1080P-AH-EXIR cameras. It was accurate at the time it was completed. However, because of our ongoing effort to constantly improve our products, additional features and functions may have been added since that time and on-screen displays may change. We encourage you to visit our website at www.firstalert.com to check for the latest manuals (English and Spanish), firmware updates, downloads, other security camera products and announcements.

Main Description

HDTVI cameras have 720P or 1080P high definition resolution. These cameras are compatible with HDTVI DVRs. Visit www.firstalert.com for more information on products in the HDTVI series.

Product Features

- HD resolution using analog BNC cables
- Indoor/outdoor use
- Night vision
- Remote viewing and controlling from Smartbridge HD app

Thank you for purchasing our product. If there is any question or request, please do not hesitate to contact dealer. The figures in this manual are for reference only.

This manual is applicable to the models listed in the following table.

Model	Type
CM720P-AH	HDTVI Cameras
CMD720P-AH	
CM1080P-AH	
CMD1080P-AH	
CM1080P-AH-EXIR	

Safety Precautions

- Do not drop, puncture, or disassemble the cameras or DVR.
- Do not tug on the power adapter. Use the plug to remove it from the wall.
- Do not expose the cameras or DVR to high temperatures.
- For your own safety, avoid using the DVR when there is a storm or lightning in your area.
- Use the cameras and DVR with care. Avoid pressing hard on the cameras or DVR body.
- Do not use power cable if it is damaged or crushed.

Instructions For Use

- Always purchase the correct size and grade of battery most suitable for the intended use.
- Replace all batteries of a set at the same time.
- Clean the battery contacts and also those of the device prior to battery installation.
- Ensure the batteries are installed correctly with regard to polarity (+ and -).
- Remove batteries from equipment that is not to be used for an extended period of time.

FCC Compliance for HD-TVI Cameras

Federal Communications Commission (FCC) Compliance Statement

NOTE: 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 a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, 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.

Notice: Only peripherals complying with FCC class B limits may be attached to this equipment. Operation with non-compliant peripherals or peripherals not recommended by First Alert / BRK Brands, Inc. is likely to result in interference to radio and TV reception. Changes or modifications to the product, not expressly approved by First Alert / BRK Brands, Inc., could void the user's authority to operate the equipment.

We, First Alert / BRK Brands, Inc. declare under our sole responsibility that the device to which this declaration relates: Complies with Part 15 of the 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.

FCC Certification (if applicable)

This device contains a radio transmitter. Accordingly, it has been certified as compliant with 47 CFR Part 15 of the FCC Rules for intentional radiators. Products that contain a radio transmitter are labeled with an FCC ID.

Fire and Electric Shock Hazard Statement



CAUTION

RISK OF ELECTRIC SHOCK



CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK. UNPLUG ALL POWER SOURCES, INCLUDING CAMERAS FROM THE DVR BEFORE REMOVING COVER. FAILURE TO DO SO CAN RESULT IN DAMAGE TO THE DVR OR ITS COMPONENTS AS WELL AS INJURY OR DEATH.



The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of un-insulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock.



The exclamation point within an equilateral triangle, is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

WARNING: TO PREVENT FIRE OR SHOCK HAZARD, DO NOT EXPOSE THIS DVR UNIT TO RAIN OR MOISTURE

CAUTION: TO PREVENT ELECTRIC SHOCK, MATCH WIDE BLADE OF THE PLUG TO THE WIDE SLOT AND FULLY INSERT



Caution!

When working with electrostatic sensitive devices such as hard disk or DVR unit, make sure you use a static-free workstation. Any electrostatic energy coming in contact with the hard disk or DVR can damage it permanently.

Disposal



These symbols indicate that it is prohibited to dispose of these batteries in the household waste. Take spent batteries that can no longer be charged to the designated collection points in your community.

PRODUCT OVERVIEW

Package Contents

What's in the Box*



IR Dome Camera*



IR Bullet Camera*



IR EXIR Bullet Camera*



BNC Cable with Video and Power



User Manual



Protected by First Alert Stickers (3)

*The box contains one of the following HDTV camera models

PRODUCT OVERVIEW

Camera and Power Connections

Installing Cameras

Installing Cable-Safe Mounting Bracket

Decide if the camera is to be wall or ceiling mounted and if cable will be fed through mounting surface hidden directly behind the bracket or fed through the side of the bracket so cable is exposed. Mark area where you will drill your hole. The Cable-Safe Mounting Bracket has three Adjusting Points. 1) Rotates Bracket 360° relative to mounting surface, 2) Adjusts bracket hinge 180° and 3) Rotates camera body 360° to level image.

Step 1: Select the position for the camera and drill your hole for the cable. Feed cable through mounting surface. Mount bracket to surface.

Step 2: Aim camera at target and using Adjusting Points 1 and 2 in tandem position camera. Tighten Ring and Thumb Screw.

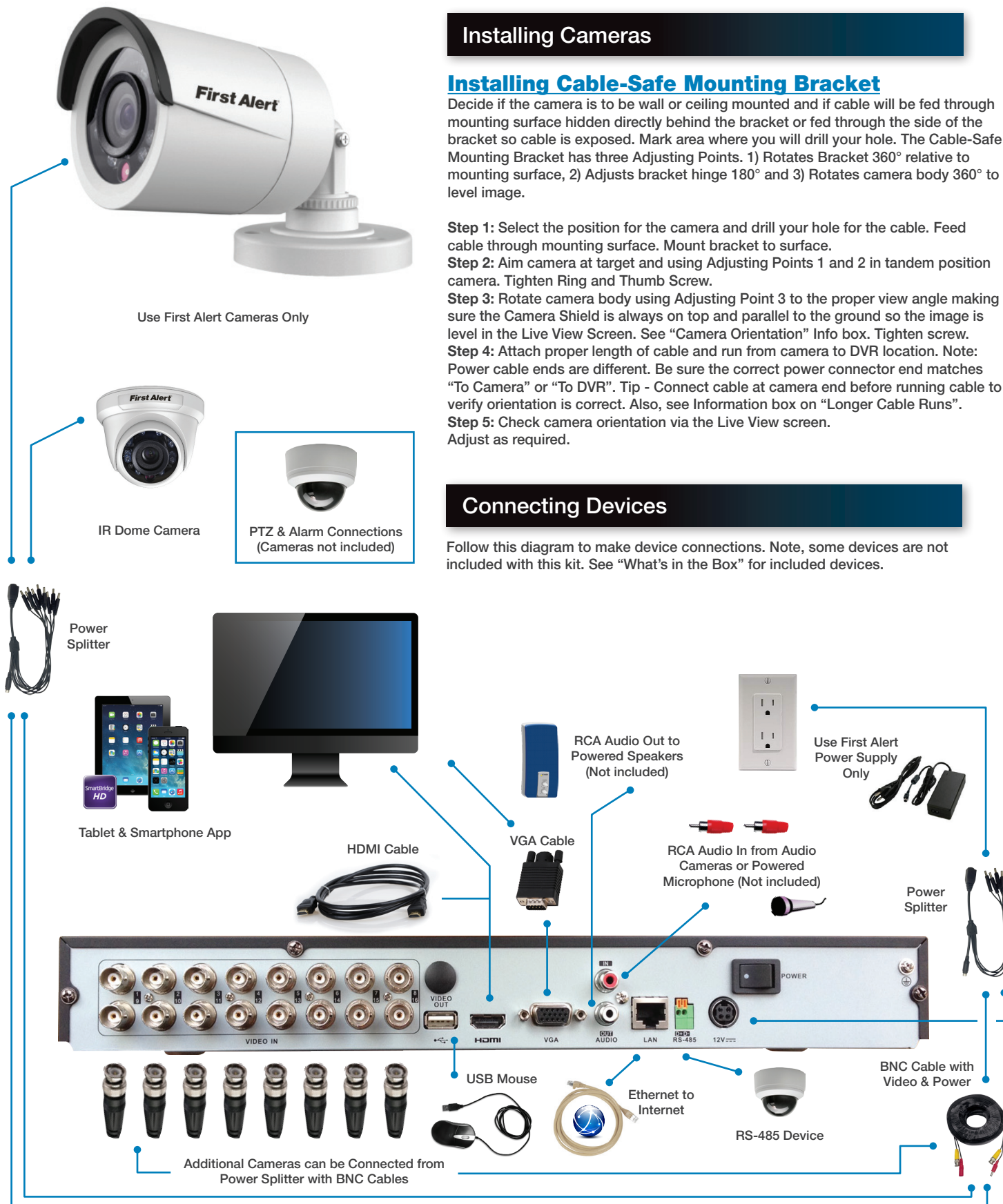
Step 3: Rotate camera body using Adjusting Point 3 to the proper view angle making sure the Camera Shield is always on top and parallel to the ground so the image is level in the Live View Screen. See "Camera Orientation" Info box. Tighten screw.

Step 4: Attach proper length of cable and run from camera to DVR location. Note: Power cable ends are different. Be sure the correct power connector end matches "To Camera" or "To DVR". Tip - Connect cable at camera end before running cable to verify orientation is correct. Also, see Information box on "Longer Cable Runs".

Step 5: Check camera orientation via the Live View screen. Adjust as required.

Connecting Devices

Follow this diagram to make device connections. Note, some devices are not included with this kit. See "What's in the Box" for included devices.



NOTE: Only the HDTV camera and BNC cable is included.

APPENDIX

Specifications

Technical Specifications

Item	Specifications				
Model	CM720P-AH	CMD720P-AH	CM1080P-AH	CMD1080P-AH	CM1080P-AH-EXIR
Image Sensor	1/3" CMOS	1/3" CMOS	1/3" CMOS	1/3" CMOS	1/3" CMOS
Effective Pixels	1280(H)*720(V)	1280(H)*720(V)	1920(H)*1080(V)	1920(H)*1080(V)	1920(H)*1080(V)
IP Rating	IP66	IP66	IP66	IP66	IP66
Number of infrared LED's	24	24	24	24	1
Night-Vision Range	20m	20m	20m	20m	40m
Indoor/Outdoor	indoor/outdoor	indoor/outdoor	indoor/outdoor	indoor/outdoor	indoor/outdoor
Lens	2.8mm	2.8mm	2.8mm	2.8mm	3.6mm
View Angle	99.7 degrees	99.7 degrees	90 degrees	90 degrees	90 degrees
Frame Rate	720p@50fps/720p@60fps	720p@50fps/720p@60fps	1080p@25fps/1080p@30fps	1080p@25fps/1080p@30fps	1080p@25fps/1080p@30fps
Minimum Illumination	0.01 Lux @ (F1.2, AGC ON) 0 Lux with IR	0.01 Lux @ (F1.2, AGC ON) 0 Lux with IR	0.01 Lux @ (F1.2, AGC ON) 0 Lux with IR	0.01 Lux @ (F1.2, AGC ON) 0 Lux with IR	0.01 Lux @ (F1.2, AGC ON) 0 Lux with IR
Audio	No	No	No	No	No
S/N Ratio	>52dB	>52dB	>52dB	>52dB	>52dB
Shutter Speed	1/25(1/30)s ~ 1/50,000s	1/25(1/30)s ~ 1/50,000s	1/25(1/30)s ~ 1/50,000s	1/25(1/30)s ~ 1/50,000s	1/25(1/30)s ~ 1/50,000s
Video Output	1 Analog HD Output	1 Analog HD Output	1 Analog HD Output	1 Analog HD Output	1 Analog HD Output
Power Supply	12 VDC	12 VDC	12 VDC	12 VDC	12 VDC
Operating Temperature	-40 F to 140 F	-40 F to 140 F	-40 F to 140 F	-40 F to 140 F	-40 F to 140 F

Warranty

PRODUCT LIMITED WARRANTY

BRK Brands, Inc., (“BRK”) the maker of First Alert® brand products warrants that for a period of one year from the date of purchase (the “Warranty Period”), this product will be free from defects in material and workmanship. BRK, at its sole option, will repair or replace this product or any component of the product found to be defective during the Warranty Period. Replacement or repair will be made with a new or remanufactured product or component. If the product is no longer available, replacement may be made with a similar product of equal or greater value. This is your exclusive warranty.

This warranty is valid for the original retail purchaser only from the date of initial retail purchase and is not transferable. In order to obtain warranty service, you must keep the original sales receipt and proof of purchase in the form of the UPC code from the package. BRK dealers, service centers, or retail stores selling BRK products do not have the right to alter, modify or any way change the terms and conditions of this warranty.

WARRANTY EXCLUSIONS

Parts and Labor: 1 year limited (warranted parts do not include bulbs, LEDs, and batteries)

This warranty does not apply to bulbs, LEDs, and batteries supplied with or forming part of the product.

This warranty is invalidated if non- BRK accessories are or have been used in or in connection with the product or in any modification or repair is made to the product.

This warranty does not apply to defects or damages arising by use of the product in other than normal (including normal atmospheric, moisture and humidity) conditions or by installation or use of the product other than in strict accordance with the instructions contained in the product owner's manual.

This warranty does not apply to defects in or damages to the product caused by (i) negligent use of the product, (ii) misuse, abuse, neglect, alteration, repair or improper installation of the product, (iii) electrical short circuits or transients, (iv) usage not in accordance with product installation, (v) use of replacement parts not supplied by BRK, (vi) improper product maintenance, or (vii) accident, fire, flood or other Acts of God.

This warranty does not cover the performance or functionality of any computer software included in the package with the product. BRK makes no warranty that the software provided with the product will function without interruption or otherwise be free of anomalies, errors, or “Bugs.” This warranty does not cover any costs relating to removal or replacement of any product or software installed on your computer.

BRK reserves the right to make changes in design or to make additions to or improvements in its products without incurring any obligations to modify any product which has already been manufactured. BRK will make every effort to provide updates and fixes to its software via its website. This warranty does not cover any alteration or damage to any other software that may be or may become resident on the users system as a result of installing the software provided. This warranty is in lieu of other warranties, expressed or implied, and BRK neither assumes nor authorizes any person to assume for it any other obligation or liability in connection with the sale or service of the product. In no event shall BRK be liable for any special or consequential damages arising from the use of the product or arising from the malfunctioning or non-functioning of the product, or for any delay in the performance of this warranty due to any cause beyond its control.

BRK does not make any claims or warranties of any kind whatsoever regarding the product's potential, ability, or effectiveness to prevent, minimize, or in any way affect personal or property damage or injury. BRK is not responsible for any personal damage, loss, or theft related to the product or to its use for any harm, whether physical or mental related thereto. Any and all claims or statements, whether written or verbal, by salespeople, retailers, dealers, or distributors to the contrary are not authorized by BRK, and do not affect this provision of this warranty.

BRK's responsibility under this, or any other warranty, implied or expressed, is limited to repair, replacement or refund, as set forth above. These remedies are the sole and exclusive remedies for any breach of warranty. BRK is not responsible for direct, special, incidental, or consequential damages resulting from any breach of warranty or under any other legal theory including but not limited to, loss profits, downtime, goodwill, damage to or replacement of equipment and property and any costs of recovering, reprogramming or reproducing any program or data stored in or used with a system containing the product accompanying software.

BRK does not warrant the software will operate with any other software except that which is indicated. BRK cannot be responsible for characteristics of their party hardware or software which may effect the operation of the software included.

Except to the extent prohibited by applicable law, any implied warranty of merchantability or fitness for a particular purpose is limited in duration to the duration of the above Warranty Period. Some states, provinces, or jurisdictions do not allow the exclusion or limitation of incidental or consequential damages or limitations on how long an implied warranty lasts, so the above limitations or exclusion may not apply to you. This warranty gives you specific legal rights, and you may also have other rights that vary from state to state, or province to province, or jurisdiction to jurisdiction.

OBTAINING SERVICE

If service is required, do not return the product to your place of purchase. In order to obtain warranty service, contact the Consumer Affairs Division at 1-800-323-9005. To assist us in serving you, please have the model number and date of purchase available when calling.

For more information and updates, please visit www.firstalert.com

After contacting the Consumer Affairs Division and it is determined that the product should be returned for Warranty Service, please mail the product to: BRK Brands, Inc., 3901 Liberty Street Road, Aurora, IL 60504-8122.

First AlertTM

©2015 BRK Brands, Inc.
A Jarden Corporation Company (NYSE:JAH)
3901 Liberty Street Road, Aurora, IL 60504-8122
Phone: 630-851-7330 Tech Services: 800-323-9005
www.firstalert.com / www.brkelectronics.com