



simplicity - quality - technology

User Manual

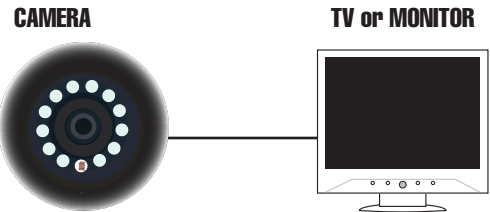


Weatherproof Color Camera
for Indoor and Outdoor Use

CONNECT TO A TV OR MONITOR:

A single camera can be connected directly to a monitor or TV using the included cable and adapter.

Connect the camera to the cable and power supply as described in Steps 1, 2 and 5 above before connecting it to your video display.



For TV: Tune to correct INPUT (ie; A/V, L1, L2, Source) Consult TV manual for details.

Depending on your TV or monitor, you may need to use the included BNC-to-RCA adapter (below) to connect the yellow plug on the camera cable to your screen.



PRECAUTIONS:

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CAUTION! Risk of electrical shock. To prevent electric shock, do not remove screws or cover.
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Do not attempt to disassemble camera. There are no user serviceable parts inside. Service should be performed by a qualified Q-See technician only.
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Handle camera with care. Do not hit, shake, puncture or drop the camera as this could cause damage and prevent proper operation.
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Avoid strong light. Do not aim camera at sun or aim strong light directly into the lens as it will degrade image quality and could cause damage. Camera should ideally be placed out of direct sunlight for improved performance.
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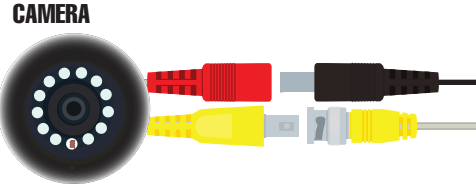
Protect from elements. These cameras are weatherproof but direct exposure to excessive rain, sun or marine environmental conditions will degrade their performance and shorten the life of the product.
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Avoid excessive moisture within camera or adapters. Do not use strong or abrasive detergents when cleaning camera body. Clean with dry cloth or mild detergent, wiping gently.
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Do not use camera beyond prescribed voltage range. Only use included power supply. Ensure power input source conforms to local voltage. Voltage outside of range could cause damage or abnormal performance.

TO CONNECT TO A SECURITY DVR SYSTEM:

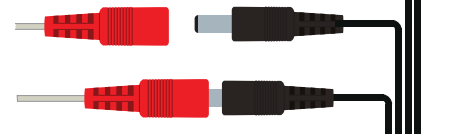
STEP 1 Connect the BNC and power leads from the camera to the matching connectors on one end of the power and video cable.



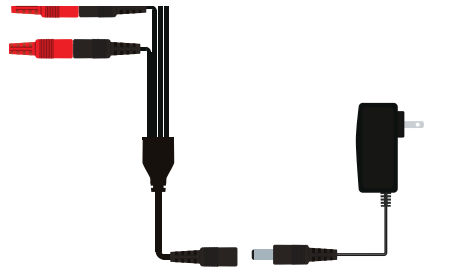
IMPORTANT! When connecting the power and video cable between the camera and the DVR, the “male” power end (red plug) connects to the matching power lead on the camera.


STEP 2 For multi-camera packs, connect the power connector on the other end of the cable to the power splitter.

For single camera packages, connect the power lead into the power adapter itself. In this case, you can skip to Step 4.



STEP 3 Plug the power splitter cable into the camera power adapter. **DO NOT** plug the adapter into an outlet at this time.

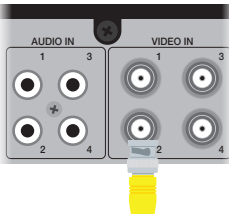




WARNING! If you have a multi-camera package, the included power adapter is designed to provide enough voltage to operate multiple cameras. Connecting a single camera to the adapter can cause the optical chipset of that camera to burn out and become useless.

STEP 4

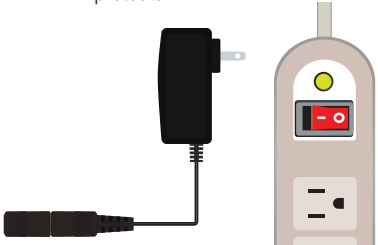
Connect the BNC connector on the other end of the power and video cable to a **Video In** port on the back of the DVR.



Repeat Steps 1 through 4 for all cameras before continuing.

STEP 5

Plug the power adapter into a surge protector *



*When selecting a surge protector, it is **STRONGLY** recommended to use one that is UL-1449 rated, for a clamping voltage of 330 or lower, a Joule rating of at least 400 and a response time of 10 nanoseconds or less.

EXTENSION CABLES:

For more information on which cable to use for your application, please see the extended chart at www.q-see.com/cableselection To purchase, order online at www.Q-SeeStore.com

Q-See Model Number	QS60F (60') QS120F (120')	QS50B (50') QS100B (100')	QSVRG60 (60') QSVRG100 (100') QSVRG200 (200')	QS59500 (500') QS591000 (1000')
Maximum Run Length	180'	180'	800'	800'
Quality Output	Standard	Standard	High	High
Type	75Ω Video Cable	75Ω Video Cable	RG-59	RG-59
Shielded	No	No	Yes - UL Rated	Yes - UL Rated
Plenum Rated	No	No	No	No
Pre-Attached Connector	Video	RCA	BNC	BNC
	Audio	RCA	N/A	N/A
	Power	2.1mm	2.1mm	2.1mm
Usage	Indoor/Outdoor · Do not run inside walls or underground		Indoor/Outdoor · In-wall or along wall	
Camera Compatibility	CMOS/CCD, RCA/BNC Connection			

To maintain video quality:

- Video quality is always enhanced by using shielded cables.
- Always check state and local laws before installing cameras. (2011 NEC 820.44)
- To prevent video signal loss, run one continuous cable between the camera and DVR for best results. If more length is required, use the minimum number of inter-connection points possible.

Other Notes:

- If a cable run exceeds 800ft, we recommend using RG-6 coaxial cable which is available at most retail building supply companies.
- If your home or business is pre-wired with CAT-5 cable, then you can run up to 1000ft. (QSBAL2 Video Balun or Powered Balun are recommended for easy installation.

LEGAL:

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Manufacture shall not be liable for any damages whatsoever from misuse of this product.

DISPOSAL:

If the camera no longer functions or can no longer be repaired, it must be disposed of according to regulations regarding electronic waste. By not disposing of electronic items in household waste you will not only be following the law, but contributing to the protection of the environment.



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