



## **DVR5100 Series Hybrid Video Recorder**



**RAM Upgrade Kit**

**C3649M (7/08)**



# Description

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Use the DVR5100-RAM memory upgrade kit to install additional random access memory (RAM) into any of the following models of the DVR5100 Series hybrid video recorder:

- DVR5104DVD-250
- DVR5104DVD-500
- DVR5104DVD-1000
- DVR5104DVD-1500
- DVR5104DVD-2000
- DVR5108DVD-250
- DVR5108DVD-500
- DVR5108DVD-1000
- DVR5108DVD-1500
- DVR5108DVD-2000
- DVR5116DVD-250
- DVR5116DVD-500
- DVR5116DVD-1000
- DVR5116DVD-1500
- DVR5116DVD-2000

## PARTS AND TOOLS



**WARNING:** This kit includes one RAM card upgrade. Using any other RAM card with the DVR5100 voids the warranty.

Before proceeding, verify that your RAM upgrade kit contains the following parts:

Qty	Description
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- |   |  |
|---|--|
| 1 | RAM memory module                                    |
| 1 | Electrostatic discharge (ESD) disposable wrist strap |
| 1 | DVR5100 Series RAM Upgrade Kit manual (C3649M)       |

To install the RAM upgrade, you also need a Phillips screwdriver (not provided).

# Installing the DVR5100-RAM Upgrade

## GETTING STARTED

1. Familiarize yourself with the instructions in this document.
2. Verify that you have all the necessary parts and tools (refer to *Parts and Tools* on page 3).

## PREPARING THE UNIT

1. Shut down the DVR5100 as follows. If you are already logged on, use the on-screen menus to log off and proceed with the following steps. For security purposes, the unit can only be shut down with Administrator-level permissions.
  - a. From the Login screen, select the admin user ID, and then enter the appropriate admin password.
  - b. Select Shut Down to power off the system. The DVR5100 saves all configuration information and recorded video, and then shuts down.
2. Remove the power cord from the back of the DVR5100.
3. Disconnect any cables or connections that may restrict access or interfere with the removal of the unit.
4. If mounted in a rack, unscrew the fasteners that secure the unit in the rack, and then carefully slide the unit out of the rack. Two people may be required for this step.
5. Place the DVR5100 on a flat surface with ample workspace. Make sure the area provides full access to the DVR5100 internal components.



### WARNINGS:

- Make sure the unit is turned off and you are wearing a properly grounded ESD wrist strap before attempting to open the chassis cover.
- The chassis assembly includes parts with sharp edges. To avoid injury, use caution when working in and around the DVR5100 chassis and components.

6. Use a Phillips screwdriver to remove the chassis cover (refer to Figure 1):
  - a. Remove all 10 screws from the DVR (four screws on each side and two on the back). Set aside the screws.



**Figure 1. Removing the Screws**

- b. Slide the chassis cover back and up (refer to Figure 2). Set aside the cover.

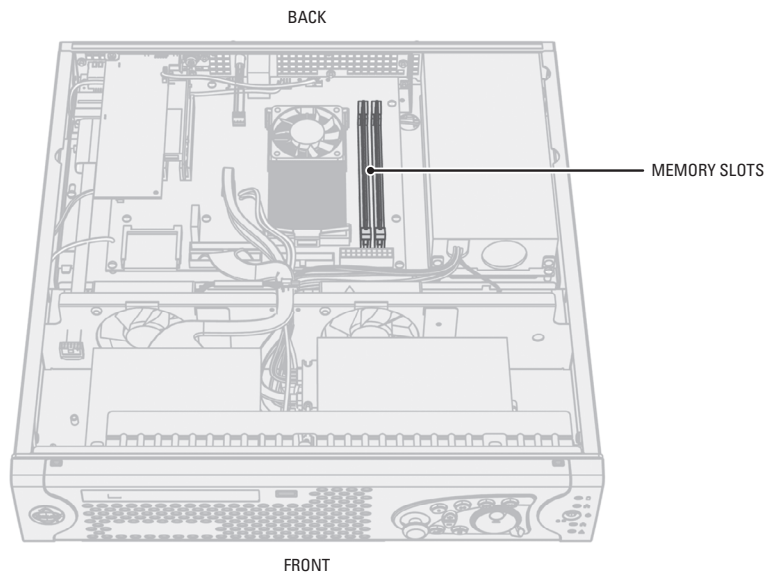


**Figure 2. Removing the Chassis Cover**

## INSTALLING THE UPGRADE

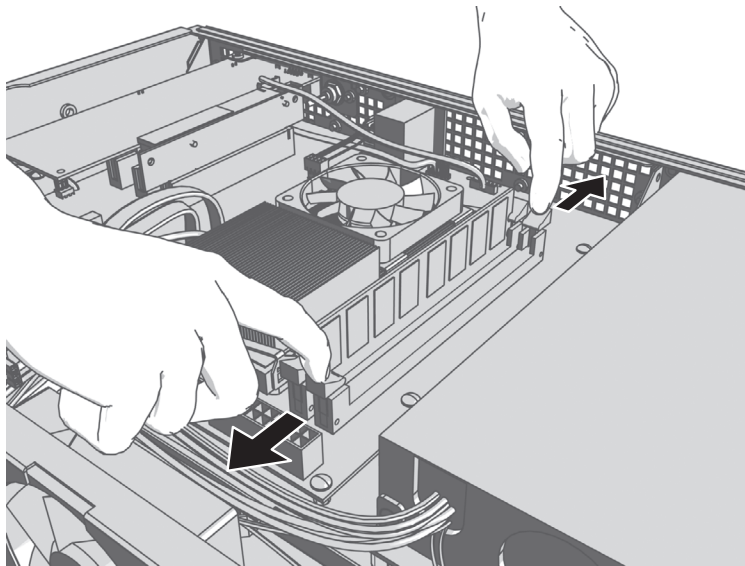
**⚠ WARNING:** Install only the DVR5100-RAM memory upgrade kit that you received from the Pelco factory.

1. Locate the empty memory slot in the upper-right rear of the unit (refer to Figure 3).



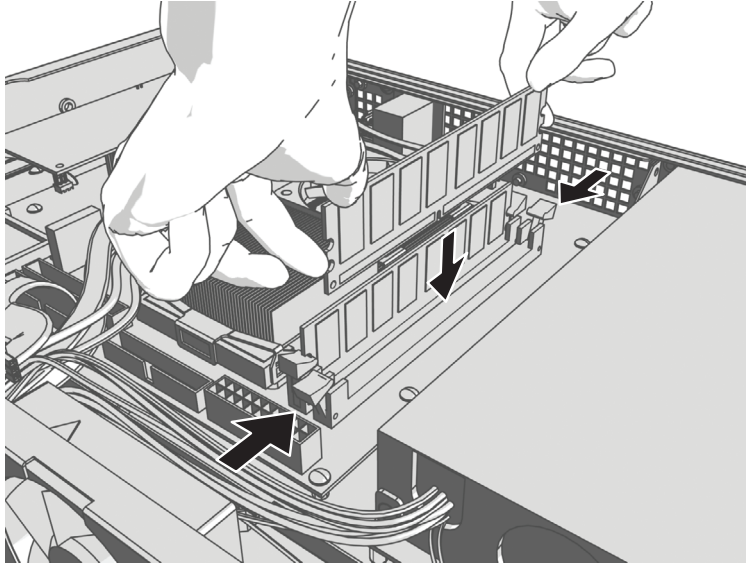
**Figure 3.** Locating the Memory Slots

2. Open the memory card clips, if not already open (refer to Figure 4).



**Figure 4.** Opening the Memory Card Clips

3. Place the RAM card into the empty slot, and then press down until the clips engage (refer to Figure 5). Do not force the clips to engage manually as the memory card may not be properly seated.



**Figure 5.** Inserting the Memory Card

## **REASSEMBLING THE UNIT**

1. Replace the chassis cover using the screws you removed from the sides and rear of the unit (refer to Figure 1 on page 4).
2. Reinstall the unit in a rack enclosure, if necessary, and then reconnect all cables and peripheral equipment you removed earlier.
3. Reconnect the power cord to the unit.
4. If the blue Pelco badge does not illuminate after the power cord is reconnected, turn on the unit by pressing the power button on the front panel.

## PRODUCT WARRANTY AND RETURN INFORMATION

### WARRANTY

Pelco will repair or replace, without charge, any merchandise proved defective in material or workmanship **for a period of one year** after the date of shipment.

Exceptions to this warranty are as noted below:

- Five years on fiber optic products and TW3000 Series unshielded twisted pair (UTP) transmission products.
- Three years on Spectra® IV products.
- Three years on Genex® Series products (multiplexers, server, and keyboard).
- Three years on DX Series digital video recorders, DVR5100 Series digital video recorders, Digital Sentry® Series hardware products, DVX Series digital video recorders, NVR300 Series network video recorders, and Endura® Series distributed network-based video products.
- Three years on Camclosure® and Pelco-branded fixed camera models, except the CC3701H-2, CC3701H-2X, CC3751H-2, CC3651H-2X, MC3651H-2, and MC3651H-2X camera models, which have a five-year warranty.
- Three years on PMCL200/300/400 Series LCD monitors.
- Two years on standard motorized or fixed focal length lenses.
- Two years on Legacy®, CM6700/CM6800/CM9700 Series matrix, and DF5/DF8 Series fixed dome products.
- Two years on Spectra III™, Spectra Mini, Esprit®, ExSite®, and PS20 scanners, including when used in continuous motion applications.
- Two years on Esprit and WW5700 Series window wiper (excluding wiper blades).
- Two years (except lamp and color wheel) on Digital Light Processing (DLP®) displays. The lamp and color wheel will be covered for a period of 90 days. The air filter is not covered under warranty.
- Two years on Intelli-M® eIDC controllers.
- One year (except video heads) on video cassette recorders (VCRs). Video heads will be covered for a period of six months.
- Six months on all pan and tilts, scanners, or preset lenses used in continuous motion applications (preset scan, tour, and auto scan modes).

Pelco will warrant all replacement parts and repairs for 90 days from the date of Pelco shipment. All goods requiring warranty repair shall be sent freight prepaid to a Pelco designated location. Repairs made necessary by reason of misuse, alteration, normal wear, or accident are not covered under this warranty.

Pelco assumes no risk and shall be subject to no liability for damages or loss resulting from the specific use or application made of the Products. Pelco's liability for any claim, whether based on breach of contract, negligence, infringement of any rights of any party or product liability, relating to the Products shall not exceed the price paid by the Dealer to Pelco for such Products. In no event will Pelco be liable for any special, incidental, or consequential damages (including loss of use, loss of profit, and claims of third parties) however caused, whether by the negligence of Pelco or otherwise.

The above warranty provides the Dealer with specific legal rights. The Dealer may also have additional rights, which are subject to variation from state to state.

If a warranty repair is required, the Dealer must contact Pelco at (800) 289-9100 or (559) 292-1981 to obtain a Repair Authorization number (RA), and provide the following information:

1. Model and serial number
2. Date of shipment, P.O. number, sales order number, or Pelco invoice number
3. Details of the defect or problem

If there is a dispute regarding the warranty of a product that does not fall under the warranty conditions stated above, please include a written explanation with the product when returned.

Method of return shipment shall be the same or equal to the method by which the item was received by Pelco.

### RETURNS

To expedite parts returned for repair or credit, please call Pelco at (800) 289-9100 or (559) 292-1981 to obtain an authorization number (CA number if returned for credit, and RA number if returned for repair) and designated return location.

All merchandise returned for credit may be subject to a 20 percent restocking and refurbishing charge.

Goods returned for repair or credit should be clearly identified with the assigned CA or RA number and freight should be prepaid.

6-20-08

 **Green** The materials used in the manufacture of this document and its components are compliant to the requirements of Directive 2002/95/EC.



This equipment contains electrical or electronic components that must be recycled properly to comply with Directive 2002/96/EC of the European Union regarding the disposal of waste electrical and electronic equipment (WEEE). Contact your local dealer for procedures for recycling this equipment.

### REVISION HISTORY

Manual #	Date	Comments
C3649M	7/08	Original version.

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