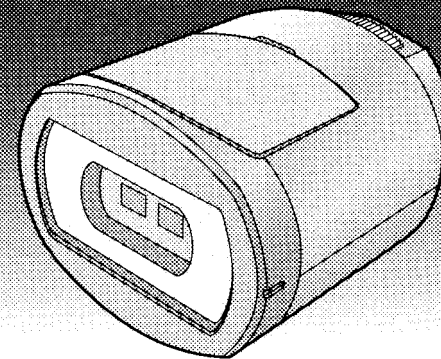


Panasonic®

Owner's Manual Instrucciones de funcionamiento 3D Conversion Lens

Model No. **VW-CLT1**



Before connecting, operating or adjusting this product, please read the instructions completely.
Antes del uso, lea completamente estas instrucciones.

For USA and Puerto Rico assistance, please call: 1-800-211-PANA(7262) or,
contact us via the web at: <http://www.panasonic.com/contactinfo>



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For Canadian assistance, please call: 1-800-561-5505 or visit us at www.panasonic.ca

VQT3A68

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Before use

- This 3D Conversion Lens can record realistic and powerful 3D videos by mounting it on a Panasonic High Definition Video Camera compatible with 3D Conversion Lens for filter diameter 46 mm.
- By attaching the supplied step up ring, this can be used on 3D compatible video cameras with a filter diameter of 41.5 mm.
- **In the video camera, the recordable 3D videos are side-by-side format (2-screen structure).**
- To view 3D video, a television that supports 3D is required.
- Illustrations of the video camera in this owner's manual are explained using the **HDC-TM900** .

- Panasonic will not be liable for any damages sustained directly or indirectly from the use or failure of this product.
- Panasonic will also not be liable for any losses of data caused by this product.

To Avoid Malfunctions

■ About the Handling of the 3D Conversion Lens

- Sand or dust will cause malfunctions in the 3D Conversion Lens. Be careful not to allow sand or dust to get inside the 3D Conversion Lens when using at the beach or similar.
- The 3D Conversion Lens is not waterproof. Wipe with a dry cloth if any water gets on it. Contact the retailer or the service center when it does not operate properly.
- Image may be affected when the surface of the protective glass is contaminated by water, oil, fingerprints, etc. Wipe the surface of the protective glass gently with a dry soft cloth before and after the recording.
- Remove the 3D Conversion Lens from the video camera and place it in the lens storage bag when carrying.

■ About Condensation (When the 3D Conversion Lens is Fogged Up)

- Condensation occurs when there is a difference in the temperature or humidity as in the following cases. Be careful since it may cause contamination, mold, or malfunction of the 3D Conversion Lens.
 - When it is carried indoors from a cold outdoor environment
 - When carried out from a cool, air-conditioned car, etc.
 - When cool wind from an air conditioner is directly blown onto the lens
 - In an area with high humidity
- To prevent condensation, place in a plastic bag and allow it to warm up to the ambient temperature. If any condensation occurs, leave it as it is for approximately 1 hour. Condensation will disappear on its own once it is warmed up to the ambient temperature.

Cautions for use

Do not drop or strike the 3D Conversion Lens when carrying it.

Also, be careful not to apply strong force to the 3D Conversion Lens.

- Be careful that no shock is applied to the 3D Conversion Lens by dropping or striking the bag with the 3D Conversion Lens stored within. It may cause a malfunction or stop images from being recorded. It may also damage the 3D Conversion Lens.
- Do not carry the video camera with the 3D Conversion Lens attached by holding onto the 3D Conversion Lens only.

Do not use or store the 3D Conversion Lens in the following places since it may cause a failure or malfunction.

- In direct sunlight or at the beach in summer, etc.
- Areas with high temperature and/or humidity, or where there is rapid change in temperature and/or humidity
- Areas with a lot of sand and dust
- Areas close to fire
- Close to air-conditioners and/or humidifiers
- Areas where it may get wet
- Areas with vibration
- inside a car
- Do not disassemble or modify.
- When the 3D Conversion Lens has not been used for a long period of time, check to see if there is any looseness in the attachment of the 3D Conversion Lens and adjust the attachment position before use.
- When not in use, put the lens caps on, place it inside the lens storage bag, and store in a place with low humidity. (→ 13)
- Also read the operating instructions of the video camera.

Do not allow any insecticide or volatile substance to get on the 3D Conversion Lens if they are used in the surrounding area.

- Failure to observe this may result in deformation or the coating peeling off.

Do not use solvents such as benzine, thinner, alcohol, etc., for cleaning.

- Solvents may cause discoloration or damage.
- Do not touch or contaminate the surface of the protective glass. Blow any dust off using a commercially available blower brush and wipe gently with a dry soft cloth if contaminated.
- Do not use any kitchen detergent or chemical treated wipes.

When requesting a repair of the 3D Conversion Lens, request a repair of the video camera as well, as the cause of the problem may be in the video camera.

■ About 3D recording

Attach the 3D Conversion Lens securely. It must not be used with an insecure attachment.

Be sure to perform the convergence adjustments before use. Recording with a misaligned lens may lead to eye fatigue or discomfort. The lens should be aligned each time it is re-attached to the camcorder body.

With the 3D Conversion Lens attached, do not record a subject at less than the minimum focus distance. Only record subjects that are beyond 1.2 m (3.9 feet).

- The 3D effects may be more pronounced, and therefore cause tiredness or discomfort.
- The minimum focus distance is approx. 1.2 m (3.9 feet).

When recording with the 3D Conversion Lens attached, be careful not to shake the video camera.

- Tiredness or discomfort may result if the shake is pronounced, due to riding in a vehicle or walking etc.
- When moving the video camera as you record, move it slowly.
- We recommend using a tripod.

■ About 3D viewing

Anyone who is hyper sensitive to light, suffers from heart disease or is otherwise unwell should avoid viewing 3D video.

- Doing so may have an adverse affect on such medical conditions.

If you feel tired, uncomfortable or otherwise strange when viewing 3D video, stop viewing at once.

- Continuing to view may cause illness.
- Please rest appropriately after stopping the viewing.

When viewing 3D video, we recommend taking a break every 30 to 60 minutes.

- Viewing for extended periods may cause eye-fatigue.

Short-sighted or far-sighted persons, those with differences in the sight of their right and left eyes, and those with astigmatism are advised to correct their vision by wearing glasses etc.

Stop viewing if you can clearly see a double image while viewing 3D video.

- There are differences in the way that different people experience 3D video images. Please correct your sight appropriately before viewing 3D video.
- You can change the 3D setting of your television or 3D output setting of the video camera to 2D.

When viewing 3D video on a 3D compatible television, position yourself a distance away that is at least 3 times the effective height of the television.

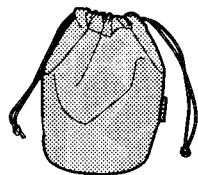
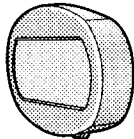
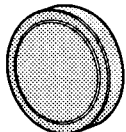
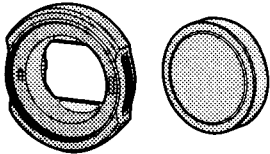
- (Recommended distance):
 - For 42"; approx. 1.6 m (5.2 feet),
 - for 46"; approx. 1.7 m (5.6 feet),
 - for 50"; approx. 1.9 m (6.2 feet),
 - for 54"; approx. 2.0 m (6.6 feet).
- Viewing from a distance closer than the recommended distance may lead to eye-fatigue.

Accessories

Check the accessories before using the lens.

Keep the accessories out of reach of children to prevent swallowing.

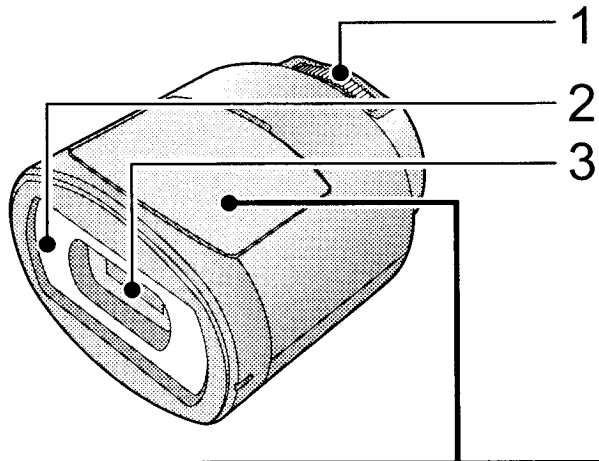
Product numbers correct as of Dec. 2010. These may be subject to change.

VFC4619		Lens storage bag
VYK4K64		Lens front cap^{*1}
VGQ0M57		Lens rear cap^{*1} (for the 3D Conversion Lens)
VYK4V31		Step up ring Lens rear cap^{*2} (for the step up ring) (the product number of the lens rear cap: VGQ0U39)

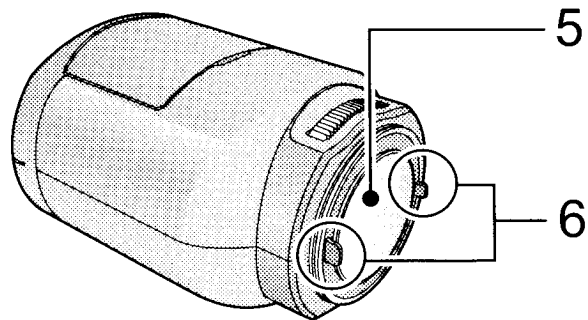
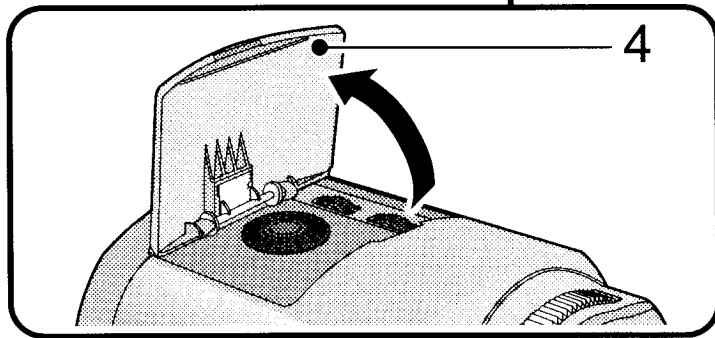
*1 This is attached to the 3D Conversion Lens at the time of purchase.

*2 This is attached to the step up ring at the time of purchase.

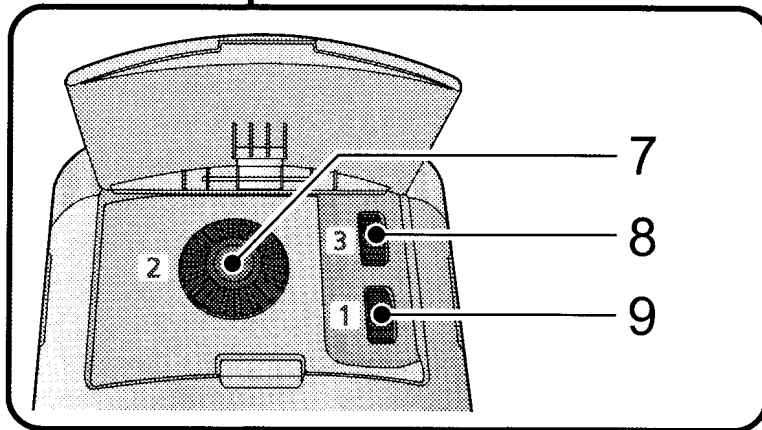
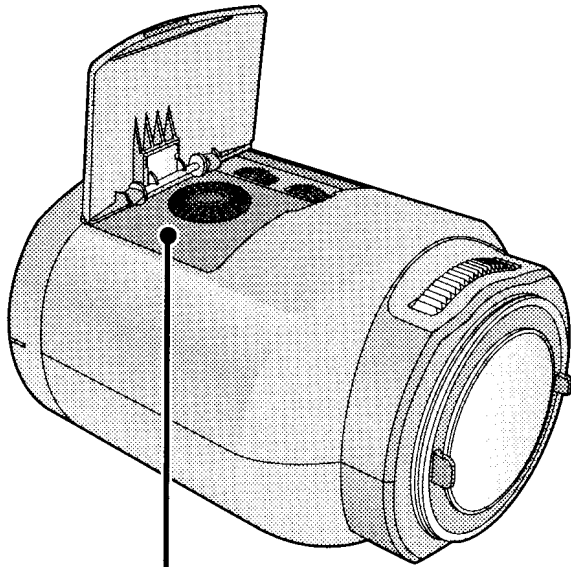
Parts identification and handling



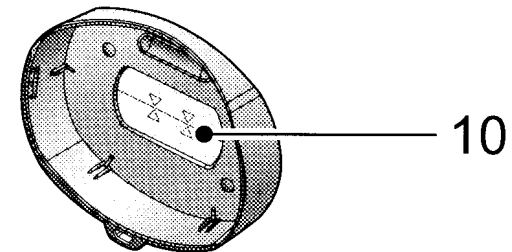
- 1 Attachment screw
- 2 Protective glass (front)
- 3 Lens
- 4 Adjustment dial cover
- 5 Protective glass (rear)
- 6 Camera body attachment part (convex)



- 7 Vertical position adjustment dial [**2**]
- 8 Vertical alignment adjustment dial [**3**]
- 9 Horizontal image position adjustment dial [**1**]



Lens front cap



10 Horizontal line for adjustment

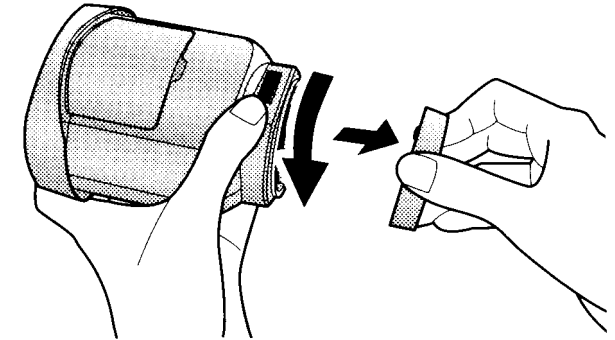
- Use to adjust the lens attachment position. (→ 15)

Attaching/Detaching the Lens to/from the video camera

- To attach the 3D Conversion Lens to **HDC-SD90**/**HDC-TM90**, a supplied step up ring is required.

1 Rotate the lens rear cap (for the 3D Conversion Lens) in the direction indicated by the arrow.

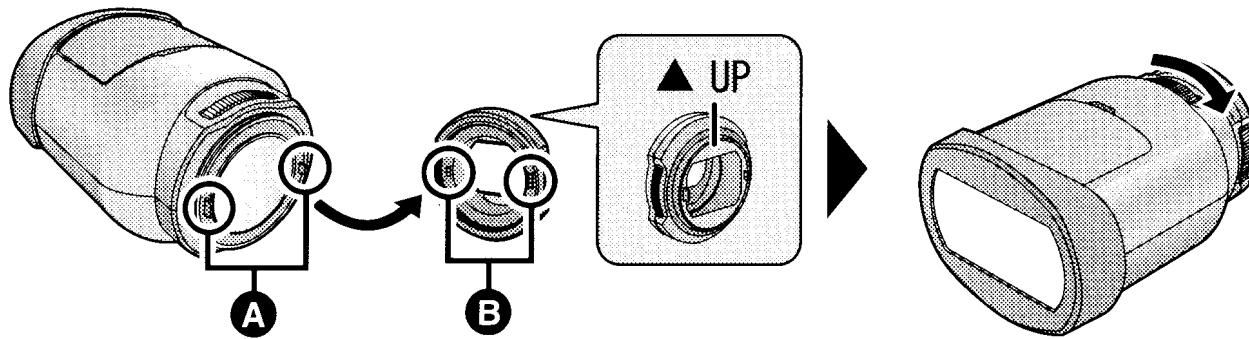
- Rotate the lens rear cap while pushing on the attachment screw with your fingers.
- For users who have **HDC-SD800**/**HDC-TM900**/**HDC-HS900**, proceed to step 3.



2 For users who have **HDC-SD90** / **HDC-TM90**

Remove the lens rear cap from the step up ring and attach the step up ring to the 3D Conversion Lens.

- Attach the step up ring to the 3D Conversion Lens first, and then attach the step up ring part to the video camera.
- Video is not recorded properly when only the step up ring is attached to the video camera.
- Attach the step up ring to the 3D Conversion Lens with the [▲ UP] mark side up.

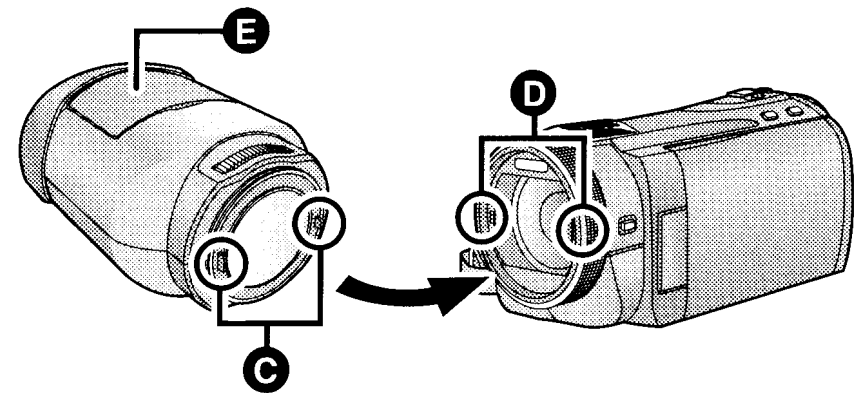


- Tighten the attachment screw of the 3D Conversion Lens by rotating to **LOCK**.

- A** the convex
- B** the concave

3 Match the position of the convex **C** with the concave **D** in the video camera.

- Attach with the adjustment dial cover **E** of the 3D Conversion Lens facing upwards.
- You cannot attach the 3D Conversion Lens together with the lens hood or a filter etc.



4 Tighten the attachment screw by rotating to LOCK.

- Be careful not to overtighten. If the 3D Conversion Lens is overtightened, you may not be able to remove it from the video camera.
- Attach the 3D Conversion Lens securely so it will not tilt or move.

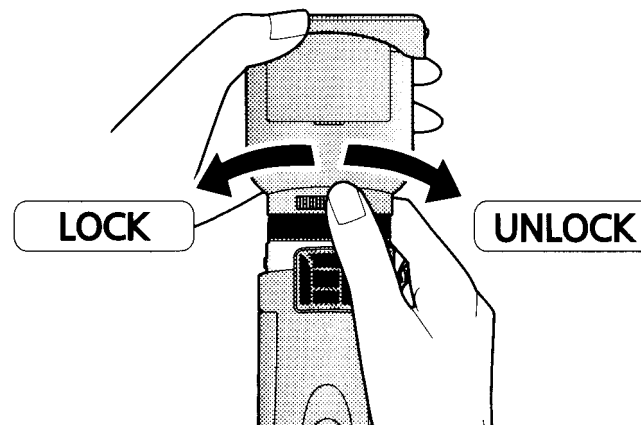
■ Removing the 3D Conversion Lens

Rotate the attachment screw to UNLOCK to loosen and then remove.

- Place the video camera on a stable location such as a table, and be careful not to drop the 3D Conversion Lens.

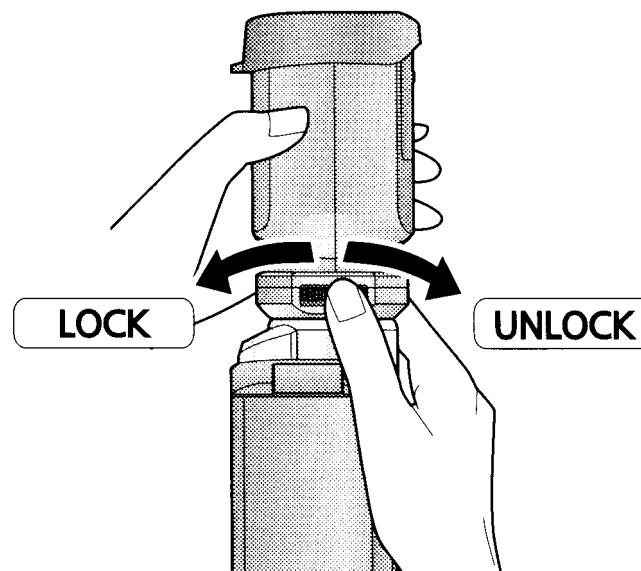
- **HDC-SD800** / **HDC-TM900** / **HDC-HS900**

Rotate the attachment screw of the 3D Conversion Lens.

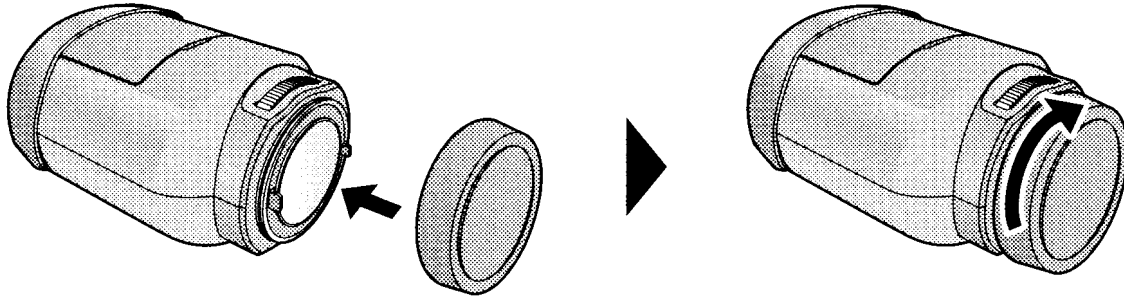


- **HDC-SD90** / **HDC-TM90**

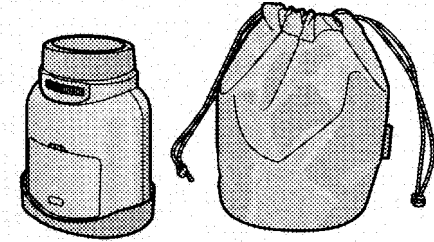
Rotate the attachment screw of the step up ring.



■ **When not using the 3D Conversion Lens**
Attach the lens rear cap to the 3D Conversion Lens

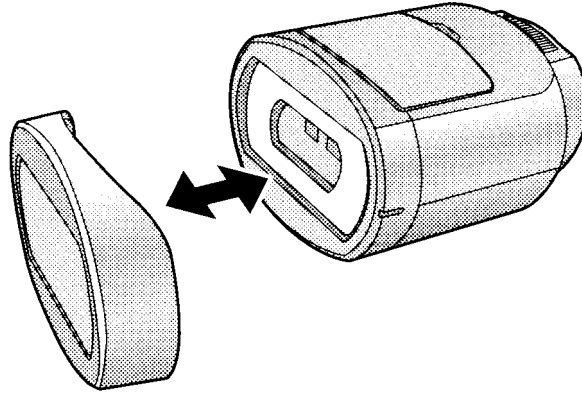


- It can be stored inside the supplied storage bag.

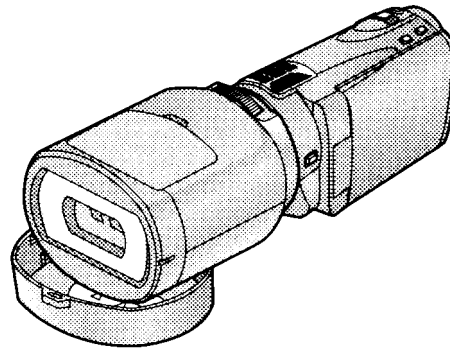


- Rotate the lens rear cap holding the attachment screw with your fingers.
- **HDC-SD90** / **HDC-TM90**
3D Conversion Lens can be stored in the supplied storage bag with the step up ring attached.

■ Attaching/Detaching the lens front cap



- If you use the lens front cap as a stand as shown below, you can leave the video camera with the 3D Conversion Lens attached.



-
- Be careful not to lose the lens caps.
 - When storing, always attach the lens caps to avoid scratching the protective glass.

Adjust the attachment position and record

When using for the first time, be sure to adjust the 3D Conversion Lens attachment position.

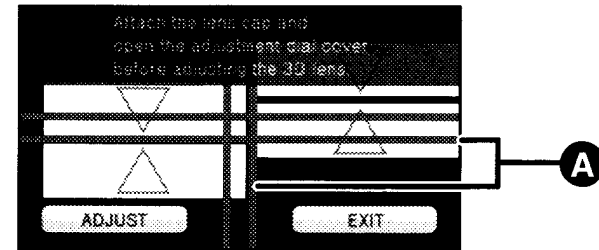
- Change the mode to  on the video camera.

1 Attach the 3D Conversion Lens to the video camera. (→ 10)

2 Turn on the video camera.

- Turn on with the video camera in a horizontal state.
- The 3D Conversion Lens adjustment mode screen will appear automatically after performing the initial setting.
- If the 3D Conversion Lens adjustment mode screen does not appear automatically, set from the menu on the video camera. ([SETUP] → [3D CONV. LENS SETUP])

3 Attach the lens front cap to the 3D Conversion Lens. (→ 14)



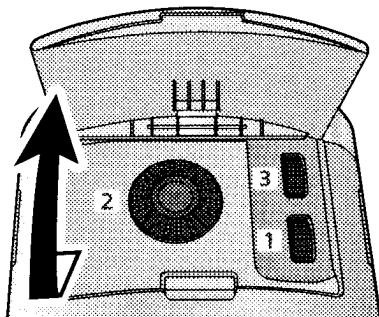
A Guide Line

- 2 screens will appear.
- The horizontal line for adjustment on the lens front cap is displayed on the screen.

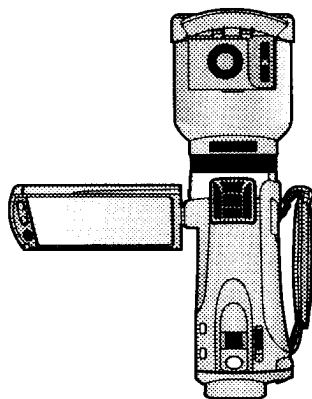
4 Touch [ADJUST].

- If the black vertical line and the black horizontal line are within the red guidelines **A** and adjustment is not required, touch [EXIT] and proceed to Step 11.
- Perform the adjustment in a bright location where the horizontal line for adjustment will be clearly visible.

5 Open the adjustment dial cover.

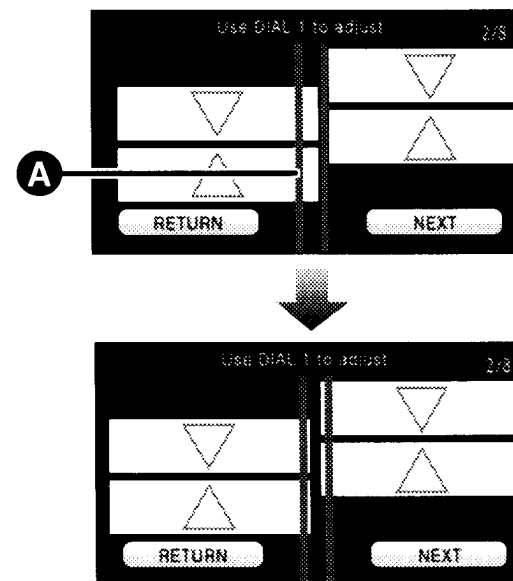


- When turning the adjustment dials, hold the video camera in the palm of your hand from the bottom and operate with the fingers of your other hand without applying too much force from above. When checking the adjustment, check with your fingers off the adjustment dials.



6 (After checking the operation description, touch [NEXT].)

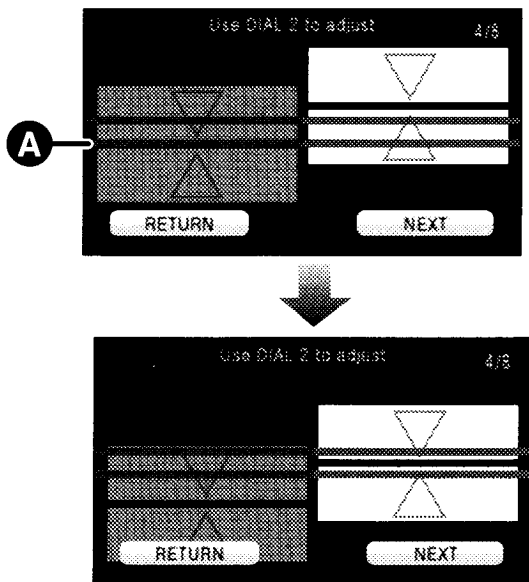
Adjust the horizontal position by rotating the horizontal image position adjustment dial 1 to place the black vertical line between the images at right and left in between the red guidelines A.



- The black vertical line may look thick or blurred, but adjust it so it goes in between the guidelines.
- Touch [NEXT].

7 (After checking the operation description, touch [NEXT].)

To adjust the vertical position, rotate the vertical position adjustment dial **2** so that the black horizontal line at the right of the screen is in the center of the red guidelines **A**.



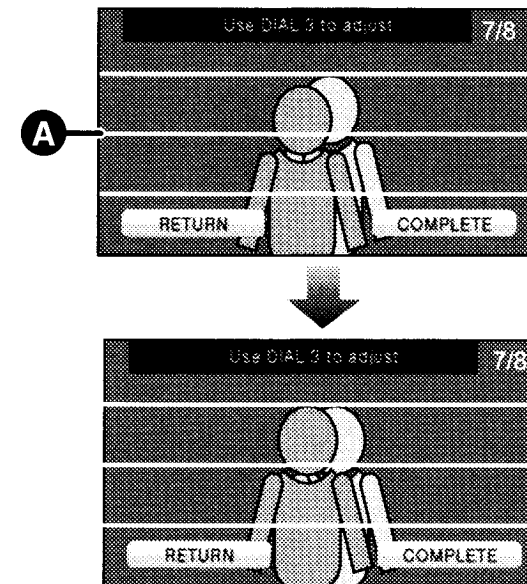
- Touch [NEXT].

8 Removing the lens front cap.

- Touch [NEXT].

9 (After checking the operation description, touch [NEXT].)

Adjust the vertical alignment adjustment dial **3 to align the vertical position of the subject shown duplicated.**



- The vertical position of the 3D image can also be adjusted with **3D** in the Touch Menu. **3D** is displayed only when the 3D Conversion Lens is attached.
- Aim the video camera at a subject from a distance of approximately 1.2 m (3.9 feet) to 2 m (6.6 feet), and keep the image shown level by using the guidelines **A**.
- Difference in horizontal direction is characteristic of 3D video.

- It is recommended to stabilize the video camera using the lens front cap as a platform when performing the adjustment. (→ 14)
- Touch [COMPLETE].

10 Touch [EXIT] to end the adjustment.

- After adjustment, a single screen appears.
- **When re-attaching the 3D Conversion Lens or after an impact etc., it is recommended that you perform the adjustment again.**

11 Press the recording start/stop button to start recording.

- When the 3D Conversion Lens is attached, the zoom position is fixed, and the zoom operation is disabled.
- When recording in 3D, the image will appear with gray frame around it. The gray frame will be recorded in the video.

-
- Use of a tripod is recommended for recording with a stable picture.
 - The reception range for the remote control might become narrow at the upper side of the video camera, so operate from the lower side.
 - The LCD monitor of the video camera will not display in 3D.
 - You will hear a sound when the video camera is moved rapidly with the 3D Conversion Lens attached, but this is not a malfunction.
 - When the adjustment dial is rotated too much, you will hear a “clapping” sound and the adjustment screen will stop moving. In such a case, rotate the adjustment dial in the opposite direction until the adjustment screen starts moving.
 - The functions that can be used are limited depending on the video camera that is being used. For details, refer to the operating instructions of the video camera.

To ensure that the 3D video can be safely viewed, pay attention to the following points when recording.

- Where possible, record with the video camera in a horizontal state.
- Do not get too close to the subject. (record from a distance of at least 1.2 m (3.9 feet).)
- When moving the video camera as you record, move it slowly.
- Try to hold the video camera as steady as possible when recording while riding in a vehicle or walking.

Specifications

■ 3D Conversion Lens

Dimensions:

78 mm (W)×59 mm (H)×97 mm (D) [3.07 " (W)×2.32 " (H)×3.82 " (D)] [Without Lens Cap (front/rear) and step up ring]

78 mm (W)×59 mm (H)×111 mm (D) [3.07 " (W)×2.32 " (H)×4.37 " (D)] [With the step up ring, without Lens Cap (front/rear)]

Mass (Weight):

Approx. 195 g (Approx. 0.429 lbs.) [Without Lens Cap (front/rear) and step up ring]

Approx. 219 g (Approx. 0.482 lbs.) [With the step up ring, without Lens Cap (front/rear)]

Lens (when attached to the video camera):

HDC-SD800 / **HDC-TM900** / **HDC-HS900**

F3.2 (f = 2.5 mm)

HDC-SD90 / **HDC-TM90**

F3.3 (f = 2.3 mm)

35 mm equivalent; 58 mm

Minimum recording distance; Approx. 1.2 m (3.9 feet)

Stereo base:

12.4 mm (0.49 ")

Limited Warranty (ONLY FOR U.S.A. AND PUERTO RICO)

**Panasonic Consumer Electronics Company,
Division of Panasonic Corporation of North America
One Panasonic Way, Secaucus, New Jersey 07094**

Panasonic Camcorder 3D Conversion Lens Limited Warranty

Limited Warranty Coverage (For USA and Puerto Rico Only)

If your product does not work properly because of a defect in materials or workmanship, Panasonic Consumer Electronics Company (referred to as “the warrantor”) will, for the length of the period indicated on the chart below, which starts with the date of original purchase (“warranty period”), at its option either (a) repair your product with new or refurbished parts, (b) replace it with a new or a refurbished equivalent value product, or (c) refund your purchase price. The decision to repair, replace or refund will be made by the warrantor.

Product or Part Name	Parts	Labor
Camcorder 3D Conversion Lens Accessory	1 year	90 days

During the “Labor” warranty period there will be no charge for labor. During the “Parts” warranty period, there will be no charge for parts. This Limited Warranty excludes both parts and labor for non-rechargeable batteries, antennas, and cosmetic parts (cabinet). This warranty only applies to products purchased and serviced in the United States or Puerto Rico. This warranty is extended only to the original purchaser of a new product which was not sold “as is”.

Carry-In or Mail-In Service

To find a service center please visit <http://www.panasonic.com/help> or call 1-800-211-PANA (7262).

When shipping the unit, carefully pack, include all accessories, and send it prepaid, adequately insured and preferably in the original carton. When shipping Lithium Ion batteries please visit our Web Site at www.panasonic.com/BatteryHandling as Panasonic is committed to providing the most up to date information. Include a letter detailing the complaint, a return address and provide a daytime phone number where you can be reached. A valid registered receipt is required under the Limited Warranty.

IF REPAIR IS NEEDED DURING THE WARRANTY PERIOD, THE PURCHASER WILL BE REQUIRED TO FURNISH A SALES RECEIPT/PROOF OF PURCHASE INDICATING DATE OF PURCHASE, AMOUNT PAID AND PLACE OF PURCHASE. CUSTOMER WILL BE CHARGED FOR THE REPAIR OF ANY UNIT RECEIVED WITHOUT SUCH PROOF OF PURCHASE.

Limited Warranty Limits and Exclusions

This warranty ONLY COVERS failures due to defects in materials or workmanship, and DOES NOT COVER normal wear and tear or cosmetic damage. The warranty ALSO DOES NOT COVER damages which occurred in shipment, or failures which are caused by products not supplied by the warrantor, or failures which result from accidents, misuse, abuse, neglect, mishandling, misapplication, alteration, faulty installation, set-up adjustments, misadjustment of consumer controls, improper maintenance, power line surge, lightning damage, modification, introduction of sand, humidity or liquids, commercial use such as hotel, office, restaurant, or other business or rental use of the product, or service by anyone other than a Factory Service Center or other Authorized Servicer, or damage that is attributable to acts of God.

THERE ARE NO EXPRESS WARRANTIES EXCEPT AS LISTED UNDER “LIMITED WARRANTY COVERAGE”.

THE WARRANTOR IS NOT LIABLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES RESULTING FROM THE USE OF THIS PRODUCT, OR ARISING OUT OF ANY BREACH OF THIS WARRANTY.

(As examples, this excludes damages for lost time, travel to and from the servicer, loss of or damage to media or images, data or other memory or recorded content. The items listed are not exclusive, but for illustration only.)

ALL EXPRESS AND IMPLIED WARRANTIES, INCLUDING THE WARRANTY OF MERCHANTABILITY, ARE LIMITED TO THE PERIOD OF THE LIMITED WARRANTY.

Some states do not allow the exclusion or limitation of incidental or consequential damages, or limitations on how long an implied warranty lasts, so the exclusions may not apply to you.

This warranty gives you specific legal rights and you may also have other rights which vary from state to state. If a problem with this product develops during or after the warranty period, you may contact your dealer or Service Center. If the problem is not handled to your satisfaction, then write to the warrantor's Consumer Affairs Department at the addresses listed for the warrantor.

PARTS AND SERVICE, WHICH ARE NOT COVERED BY THIS LIMITED WARRANTY, ARE YOUR RESPONSIBILITY.

Customer Services Directory (United States and Puerto Rico)

Obtain Product Information and Operating Assistance; locate your nearest Dealer or Service Center; purchase Parts and Accessories; or make Customer Service and Literature requests by visiting our Web Site at:

<http://www.panasonic.com/help>

or, contact us via the web at:

<http://www.panasonic.com/contactinfo>

You may also contact us directly at:

1-800-211-PANA (7262)

Monday-Friday 9am-9pm, Saturday-Sunday 10am-7pm EST

For hearing or speech impaired TTY users, TTY: 1-877-833-8855

Accessory Purchases (United States and Puerto Rico)

Purchase Parts, Accessories and Instruction Books online for all Panasonic Products by visiting our Web Site at:

<http://www.pstc.panasonic.com>

Or, send your request by E-mail to:

npcparts@us.panasonic.com

You may also contact us directly at:

1-800-332-5368 (Phone) 1-800-237-9080 (Fax Only)

(Monday-Friday 9am-9pm EST)

Panasonic Service and Technology Company

20421 84th Avenue South, Kent, WA 98032

(We accept Visa, MasterCard, Discover Card, American Express, and Personal Checks)

For hearing or speech impaired TTY users, TTY: 1-866-605-1277

As of Dec. 2010

Warranty (For Canadian Customers)

Panasonic Canada Inc.

5770 Ambler Drive, Mississauga, Ontario L4W 2T3

PANASONIC PRODUCT – LIMITED WARRANTY

Panasonic Canada Inc. warrants this product to be free from defects in material and workmanship under normal use and for a period as stated below from the date of original purchase agrees to, at its option either (a) repair your product with new or refurbished parts, (b) replace it with a new or a refurbished equivalent value product, or (c) refund your purchase price. The decision to repair, replace or refund will be made by Panasonic Canada Inc.

Camcorder Accessory 3D Lens - One (1) year, parts and labour

This warranty is given only to the original purchaser, or the person for whom it was purchased as a gift, of a Panasonic brand product mentioned above sold by an authorized Panasonic dealer in Canada and purchased and used in Canada, which product was not sold “as is”, and which product was delivered to you in new condition in the original packaging.

IN ORDER TO BE ELIGIBLE TO RECEIVE WARRANTY SERVICE HEREUNDER, A PURCHASE RECEIPT OR OTHER PROOF OF DATE OF ORIGINAL PURCHASE, SHOWING AMOUNT PAID AND PLACE OF PURCHASE IS REQUIRED

LIMITATIONS AND EXCLUSIONS

This warranty ONLY COVERS failures due to defects in materials or workmanship, and DOES NOT COVER normal wear and tear or cosmetic damage. The warranty ALSO DOES NOT COVER damages which occurred in shipment, or failures which are caused by products not supplied by Panasonic Canada Inc., or failures which result from accidents, misuse, abuse, neglect, mishandling, misapplication, alteration, faulty installation, set-up

adjustments, misadjustment of consumer controls, improper maintenance, improper batteries, power line surge, lightning damage, modification, introduction of sand, humidity or liquids, commercial use such as hotel, office, restaurant, or other business or rental use of the product, or service by anyone other than an Authorized Servicer, or damage that is attributable to acts of God.

Dry cell batteries are also excluded from coverage under this warranty. Rechargeable batteries are warranted for ninety (90) days from date of original purchase.

THIS EXPRESS, LIMITED WARRANTY IS IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING ANY IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. IN NO EVENT WILL PANASONIC CANADA INC. BE LIABLE FOR ANY SPECIAL, INDIRECT OR CONSEQUENTIAL DAMAGES RESULTING FROM THE USE OF THIS PRODUCT OR ARISING OUT OF ANY BREACH OF ANY EXPRESS OR IMPLIED WARRANTY. (As examples, this warranty excludes damages for lost time, travel to and from the Authorized Servicer, loss of or damage to media or images, data or other memory or recorded content. This list of items is not exhaustive, but for illustration only.)

In certain instances, some jurisdictions do not allow the exclusion or limitation of incidental or consequential damages, or the exclusion of implied warranties, so the above limitations and exclusions may not be applicable. This warranty gives you specific legal rights and you may have other rights which vary depending on your province or territory.

WARRANTY SERVICE

For product operation and information assistance, please contact:

Our Customer Care Centre:

Telephone: 1-800-995-8649

Fax #: (905) 238-2360

Email link camcorderconcierge@ca.panasonic.com

For defective product exchange within the warranty period, please contact the original dealer or our Customer Care Centre.

Useful Information (Only For Latin American Countries)

Customer Service

Customer Services Directory

Obtain product information and operative assistant; localize the closer distributor or Service Center; buy spare parts and accessories by our web site to Latin American:

<http://www.lar.panasonic.com>

Also you may contact us directly by our Contact Center:

Panama	800-PANA (800-7262)
Colombia	01-8000-94PANA (01-8000-947262)
Ecuador	1800-PANASONIC (1800-726276)
Costa Rica	800-PANA737 (800-7262737)
El Salvador	800-PANA (800-7262)
Guatemala	1-801-811-PANA (1-801-811-7262)
Chile	800-390-602 From a cell phone: 797-5000
Venezuela	800-PANA-800 (800-7262-800)
Uruguay	0-800-PANA (0-800-7262)
Peru	0800-00726
Argentina	0800-333-PANA (0800-333-7262) 0810-321-PANA (0810-321-7262)

Mexico Service

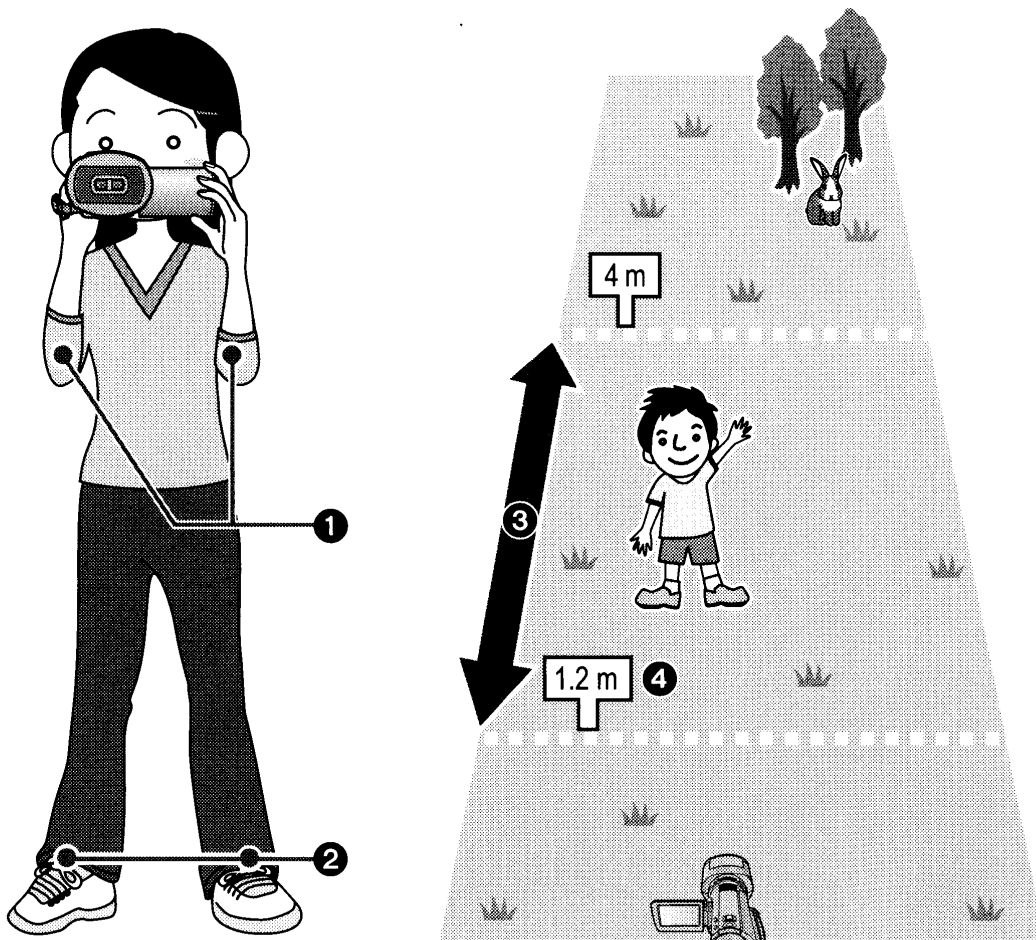
To obtain information in the Republic of Mexico contact us at:

email: atencion.clientes@mx.panasonic.com

Or you may contact us in the next following phones numbers:

01800-VIP-PANA (01800-847-7262) - Interior

(55) 5000-1200 - Mexico D.F. and Metropolitan Area



VQC8308

ENGLISH

Basic recording method for 3D video

3D video recorded using the 3D Conversion Lens will appear three-dimensional using the difference in the images seen with your left and right eyes. You may feel tired due to the difference in the image seen by each eye. Also, depending on the image being viewed, you may feel like you are moving, and feel motion sickness due to the image.

To enjoy 3D video safely and comfortably, pay attention to the following points when recording 3D video.

■ Basic position when recording 3D video

- ① Keep your arms near your body to keep the unit steady.
- ② Separate your legs for better balance.

■ About the recording distance when recording 3D video

- ③ Appropriate zone:
A distance of 1.2 m (3.9 feet) to 4 m (13.1 feet) from the unit to the subject is appropriate for recording 3D video.
- ④ Record from a distance of at least 1.2 m (3.9 feet).

- When recording, make sure your footing is stable and there is no danger of colliding with another person or object.

■ Points for recording 3D video

- When moving the unit as you record, move it slowly.
- Where possible, record keeping the unit in a horizontal state.
- Try to avoid recording while riding in a vehicle or walking. Try to hold the unit as steady as possible when recording.
- Use of a tripod is recommended for recording a stable picture.
- Make sure the room is as bright as possible when recording indoors.

Auto-collants français

Appliquez les auto-collants en français sur le boîtier de l'appareil ou sur les accessoires, selon les besoins. Étant conçus pour tous les appareils, certains peuvent ne pas être nécessaires pour cet appareil.

LOCK:	VERR.	VERR.
UNLOCK:	DÉVERR.	DÉVERR.
UP:	HAUT	HAUT
DOWN:	BAS	BAS
RIGHT:	DROITE	DROITE
LEFT:	GAUCHE	GAUCHE

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