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SanDisk SDSDXVV-512G-GNCIN

SanDisk 512GB Extreme SDXC UHS-I Memory Card User Manual

Model: SDSDXVV-512G-GNCIN

Brand: SanDisk

1. INTRODUCTION AND OVERVIEW

The SanDisk 512GB Extreme SDXC UHS-I Memory Card is designed for high-performance use in compatible devices, offering fast read and write speeds for capturing and transferring high-resolution photos and 4K UHD video. This card is built to withstand various environmental conditions, ensuring reliability for your data.



SanDisk 512GB Extreme SDXC UHS-I Memory Card, front view.

Key Features:

- **High Speed Performance:** Up to 180MB/s read speed and 130MB/s write speed, powered by SanDisk QuickFlow Technology for efficient data transfer and capture.
- **4K UHD Video Ready:** UHS Speed Class 3 (U3) and Video Speed Class 30 (V30) support for smooth, uninterrupted 4K UHD (3840x2160) video recording.
- **Sequential Burst Mode Photography:** Ideal for capturing fast-action sequences without missing a shot.
- **Durable Design:** Engineered to be drop-proof, magnetic-proof, temperature-proof, water-proof, and X-ray proof.
- **Data Recovery Software:** Includes an offer for RescuePRO Deluxe data recovery software (download required, terms and conditions apply).

2. SETUP

This section provides instructions for the initial setup of your SanDisk Extreme SDXC UHS-I Memory Card.

Inserting the Memory Card:

1. Locate the SD card slot on your compatible device (e.g., digital camera, computer, car navigation system).
2. Ensure the memory card is oriented correctly, with the metal contacts facing the correct direction as indicated by your device's manual.
3. Gently insert the card into the slot until it clicks into place. Do not force the card.

Formatting the Memory Card:

It is recommended to format your new memory card before first use and periodically thereafter, especially when using it with a new device. Formatting erases all data on the card and prepares it for optimal performance with your device.

- **Using Your Device:** Always format the card using the formatting function within your camera or host device. Refer to your device's instruction manual for specific steps.
- **Computer Formatting:** While possible, formatting on a computer may not always optimize the card for your specific camera or device. If formatting on a computer, ensure you select the correct file system (e.g., exFAT for SDXC cards).



The SanDisk Extreme SDXC card, ready for insertion into a compatible device.

3. OPERATING INSTRUCTIONS

Utilize your SanDisk Extreme SDXC UHS-I Memory Card for various high-performance tasks.

Recording 4K UHD Video:

- Ensure your camera or device supports 4K UHD video recording and is set to the appropriate resolution and frame rate.
- The card's U3 and V30 speed classes guarantee sustained write speeds necessary for smooth 4K UHD video capture without dropped frames.

Capture Uninterrupted 4K Video³



³4K UHD (3840 x 2160) video support may vary based upon host device, file attributes and other factors. See HD page on SanDisk site.

Capturing high-resolution 4K UHD video with a compatible camera.

Sequential Burst Mode Photography:

- Set your camera to burst mode or continuous shooting mode.
- The card's high write speeds (up to 130MB/s) allow for rapid capture of multiple images in quick succession, ideal for action shots.



Blazing-Fast Shot Speeds up to 130MB/s¹ for Continuous Burst Mode Shots

¹Based on write speed. 1MB=1,000,000 bytes. Based on internal testing; performance may be lower depending on host device & other factors.

Illustrating sequential burst mode photography with a mountain biker.

Data Transfer and Offload:

- To achieve maximum offload speeds (up to 180MB/s), use a compatible card reader that supports SanDisk QuickFlow Technology.
- For optimal performance, pair the card with the SanDisk Professional PRO-READER SD and microSD (sold separately).
- Insert the card into your computer's SD card slot or an external card reader.
- Drag and drop files from the card to your computer, or use your operating system's import functions.



The SanDisk Extreme SD card shown with a SanDisk Professional PRO-READER for fast data transfer.

Official product video demonstrating the features and usage of the SanDisk Extreme SD UHS-I Memory Card.

4. MAINTENANCE

Proper care and handling will extend the life and performance of your SanDisk Extreme SDXC UHS-I Memory Card.

Handling and Storage:

- Always handle the card by its edges to avoid touching the gold metal contacts.
- Store the card in its protective case or a dedicated memory card holder when not in use to prevent physical damage and exposure to dust.
- Avoid bending, dropping, or applying excessive force to the card.

Cleaning:

- If the metal contacts become dirty, gently wipe them with a clean, dry, lint-free cloth.
- Do not use abrasive materials or liquid cleaners, as these can damage the card.

Durability Features:

Your SanDisk Extreme SDXC UHS-I Memory Card is designed for durability:

- **Temperature Proof:** Operates in extreme temperatures.
- **Water Proof:** Withstands immersion in water.
- **Shock Proof:** Resists impacts from drops.
- **X-Ray Proof:** Protected from airport X-ray scanners.
- **Magnetic Proof:** Resistant to magnetic fields.

Built to withstand extreme conditions⁵



Shock
Proof



Magnet
Proof



Wearout
Proof



Temperature
Proof



Water
Proof



X-ray
Proof



Drop
Proof



Humidity
Proof



⁵ Card only. See product packaging or proof page on official SanDisk site.

Visual representation of the card's durability features.

5. TROUBLESHOOTING

If you encounter issues with your SanDisk Extreme SDXC UHS-I Memory Card, consider the following:

Card Not Recognized:

- Ensure the card is fully inserted into the device's card slot.
- Verify that your device is compatible with SDXC cards and supports the card's capacity (512GB).
- Try inserting the card into a different compatible device or card reader to determine if the issue is with the card or the device.
- Check if the card's write-protect switch is in the unlocked position.

Slow Performance:

- Ensure your device and card reader support UHS-I speeds and SanDisk QuickFlow Technology for optimal performance. Older devices may not fully utilize the card's speed capabilities.
- Format the card using your device's internal formatting function.
- Verify that your device's firmware is up to date.

Data Loss or Corruption:

- Avoid removing the card during read/write operations or when the device is powered on.
- If data appears lost or corrupted, you may be able to recover it using the included RescuePRO Deluxe data recovery software.



The advertisement features a red background with the 'RescuePRO® DELUXE' logo at the top. Below the logo is a laptop screen displaying two images of a cyclist on a steep, rocky slope. The image on the left is faded and has a red 'X' icon over it, while the image on the right is clear and has a green checkmark icon over it. In front of the laptop is a SanDisk Extreme 512GB SDXC UHS-I memory card. At the bottom, the text reads 'Recover Deleted Images with RescuePRO Deluxe Software⁶' and a small note states 'Registration required; Terms and conditions apply.'

RescuePRO Deluxe software can help recover accidentally deleted images.

6. SPECIFICATIONS

Detailed technical specifications for the SanDisk 512GB Extreme SDXC UHS-I Memory Card.

Feature	Specification
Brand	SanDisk
Model Name	SanDisk Extreme SD UHS-I Card
Model Number	SDSDXVV-512G-GNCIN
Flash Memory Type	SDXC

Feature	Specification
Memory Storage Capacity	512 GB
Read Speed	Up to 180 MB/s
Write Speed	Up to 130 MB/s
Secure Digital Association Speed Class	Class 10, UHS Speed Class 3 (U3), Video Speed Class 30 (V30)
Compatible Devices	Car Navigation Systems, Computers, Digital Cameras, Home Theatre Devices
Additional Features	Drop Proof, Magnetic Proof, Temperature Proof, Water Proof, X-Ray Proof
Item Dimensions (D x W x H)	0.09"D x 1.26"W x 0.94"H
Item Weight	1.67 Grams
Color	Gray/Gold
UPC	619659199265

7. WARRANTY

The SanDisk 512GB Extreme SDXC UHS-I Memory Card comes with a **Lifetime Limited Manufacturer Warranty**. This warranty covers defects in materials and workmanship under normal use. Please retain your proof of purchase for warranty claims.

For full details regarding the warranty terms, conditions, and claim procedures, please refer to the official SanDisk website or contact SanDisk customer support.

8. SUPPORT

For additional assistance, technical support, or to download the RescuePRO Deluxe software, please visit the official SanDisk support website:

www.sandisk.com/support

You can also find frequently asked questions (FAQs) and product registration information on their website.