

Blackmagic Pocket Cinema Camera SD Cards



What SD cards should I use with the Blackmagic Pocket Cinema Camera?

The following SD cards are recommended for Apple ProRes 422 (HQ) recording:

- Delkin Devices 16GB Elite SDHC UHS-I
- Delkin Devices 32GB Elite SDHC UHS-I
- Sandisk 8GB 45 MB/sec Extreme SDHC UHS-I
- Sandisk 16GB 45 MB/sec Extreme SDHC UHS-I
- Sandisk 32GB 45 MB/sec Extreme SDHC UHS-I
- Sandisk 64GB 45 MB/sec Extreme SDXC UHS-I
- Sandisk 128GB 45 MB/sec Extreme SDXC UHS-I
- Sandisk 8GB Extreme Plus 80 MB/sec SDHC UHS-I
- Sandisk 16GB Extreme Plus 80 MB/sec SDHC UHS-I
- Sandisk 32GB Extreme Plus 80 MB/sec SDHC UHS-I
- Sandisk 64GB Extreme Plus 80 MB/sec SDXC UHS-I
- Sandisk 128GB Extreme Plus 80 MB/sec SDXC UHS-I
- Sandisk 32GB Extreme Pro 95 MB/sec SDHC UHS-I
- Sandisk 64GB Extreme Pro 95 MB/sec SDXC UHS-I
- Sandisk 512GB Extreme Pro 95 MB/sec SDXC UHS-I

The following SD cards are recommended for CinemaDNG RAW recording:

- Sandisk 32GB Extreme Pro 95 MB/sec SDHC UHS-I
- Sandisk 64GB Extreme Pro 95 MB/sec SDXC UHS-I
- Sandisk 512GB Extreme Pro 95 MB/sec SDXC UHS-I

How much recording time do I get on an SD card?

On a 64GB SD card, you will be able to record approximately 37 minutes when using Apple ProRes 422 (HQ).

On a 64GB SD card, you will be able to record approximately 15 minutes when using RAW.

How long can I continuously record for?

There is no fixed limit to the maximum recording duration. You can record as long as it takes to fill up the SD card in the Pocket Cinema Camera. If you're shooting in Apple ProRes 422 (HQ) using a 64GB SD card, you will be able to record continuously for approximately 37 minutes before the card gets full.

What lenses can I use with the Blackmagic Pocket Cinema Camera?

The following lenses have been tested to be compatible with the Pocket Cinema Camera. Lenses unlisted may also

be compatible but have not been extensively tested.

- Panasonic Lumix G Vario 7-14mm f/4.0
- Panasonic Lumix G 14mm f/2.5
- Panasonic Lumix G X Vario 12-35mm f/2.8 (with stabilization)
- Panasonic Lumix G X Vario 14-42mm f/3.5-5.6 (with stabilization)*
- Panasonic Lumix G 35-100mm f/2.8
- Panasonic Leica DG Summilux 25mm f/1.4

- Olympus M.Zuiko Digital 17mm f/1.8
- Olympus M.Zuiko Digital 17mm f/2.8
- Olympus M.Zuiko Digital ED 45mm f/1.8
- Olympus M.Zuiko Digital ED 75mm f/1.8
- Olympus M.Zuiko Digital ED 14-42mm f/3.5-5.6 II R
- Olympus M.Zuiko Digital ED 12-40mm f/2.8 PRO

* Lens will not retract when camera is powered off. This does not affect functionality of the lens and will be addressed in a software update.

The following lenses have been tested with the Olympus MMF-3 Four Thirds Lens to Micro Four Thirds Lens Mount Adapter. When changing lenses that require the adapter, we recommend press the lens release button on the Pocket Cinema Camera after the lens change to ensure that the camera initiates communication with the Four Thirds lens.

- Olympus Zuiko Digital 25mm f/2.8
- Olympus Zuiko Digital 35mm f/3.5 Macro
- Olympus Zuiko Digital ED 50mm f/2.0 Macro
- Olympus Zuiko Digital ED 7-14mm f/4.0
- Olympus Zuiko Digital ED 14-35mm F/2.0 SWD
- Olympus Zuiko Digital ED 12-60mm f/2.8-4
- Olympus Zuiko Digital ED 35-100mm f/2.0
- Olympus Zuiko Digital ED 150mm F/2.0

Will Pocket Cinema Camera support optical image stabilization?

The Pocket Cinema Camera will support Micro Four Third lenses with built in optical image stabilization that can be enabled via a physical switch. The Panasonic Lumix 14-42mm lens requires optical stabilisation to be enabled via a software command. Unfortunately, this command is not part of the Micro Four Thirds specification and undocumented. The optical stabilization feature on this lens will not work with the Pocket Cinema Camera.

What type of battery does the Pocket Cinema Camera use?

The Pocket Cinema Camera uses an EN-EL20 rechargeable battery. Additional batteries can also be purchased from authorized Blackmagic Design resellers.

How long does it take to charge the Pocket Cinema Camera battery?

It takes approximately 1 hour 15 minutes to fully charge the Pocket Cinema Camera if the battery is empty. If the camera is also being used, the charge time will be approximately 2 hours.

What features of the Pocket Cinema Camera can I control over LANC?

With a suitable LANC controller, the follow features in the Pocket Cinema Camera can be controlled:

- Record Start and Stop
- Focus adjustment
- Autofocus
- Aperture adjustments
- Auto iris

All lens related remote adjustments will require the use of a supported active Micro Four Thirds lens.

What kind of lens adapter can I use?

Due to the short focal flange distance of the Micro Four Thirds standard, you can use a lens adapter if you want to use lenses made for other camera mounting standard on the Pocket Cinema Camera. For example, you may want to use a Nikon F-mount to Micro Four Thirds mount adapter so you can use your Nikon F-mount lenses on the Pocket Cinema Camera.

As there are too many lens adapter available in the market, we recommend you test them out first before committing to your purchase as lens mount tolerances may be different.

The electronic lens contact on the Pocket Cinema Camera is designed only for the Micro Four Thirds standard. If you mount a lens that can only be controlled electronically on its native mount, you will not be able to control it with the Pocket Cinema Camera.

Can I power the Pocket Cinema Camera externally?

Yes, the Pocket Cinema Camera can run while connected to the DC adapter even if you don't have a battery inserted. It can also seamlessly switch between the battery and external power without interrupting recording.

What is the measurement of the power connector for the Pocket Cinema Camera?

If you want to use an external power source, use a barrel connector with the following dimensions:

- Length of plug: 9.5 mm
- Hole diameter: 0.7 mm
- External diameter: 2.35 mm

To prevent interfering with HDMI connectors that may also be connected to the camera at the same time, it is recommended that your connector has an external body diameter of not more than 8.3 mm.

What is the maximum power I can send to the Pocket Cinema Camera?

The maximum input voltage limit is +18V. When using an external power source, it is very important to make sure you do not exceed the 18V limit or you will risk damaging the Pocket Cinema Camera.

How much power does the Pocket Cinema Camera consume?

The typical power consumption of the Pocket Cinema Camera is approximately 6.8W while recording to an SD card with an active MFT lens.

If the HDMI output is also used, the power consumption is approximately 7W.

The power consumption of SD media may differ and the following figures are calculated based on using the Sandisk 128GB Extreme SDXC card.

What is the size of a compressed CinemaDNG frame?

The Pocket Cinema Camera uses a variable rate compression and the size of a DNG frame will vary depending on the content. A flat uniform image with very little noise will result in a smaller file while a scene with a lot of details will be slightly larger. Typically, a compressed DNG frame is about 2 MB.

Will image quality suffer when using compressed CinemaDNG RAW on the Pocket Cinema Camera?

Blackmagic Pocket Cinema Camera uses a lossless compression when recording CinemaDNG RAW. This means only the data is compressed and no part of the image is lost. You can think of it like a compressed ZIP or RAW file on your computer. When uncompressed, the file is exactly the same as before compression.