

ProGrade Digital Memory Cards and Workflow Reader Review

April 30, 2019

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Digital. I've been very impressed with them, case may be. and I'm sure you will be too!

ProGrade Digital contacted me many how they stood up to my tests. Testing months ago now, to see if I would like memory cards must be broken into a to try their new line of high-quality number of areas, as no one aspect can memory cards, and as I wrote my reply, I truly help us to evaluate a card. The realized that they did not make Compact main areas that I am concerned with are Flash cards. At the time, Compact Flash read and write speeds, the card's ability I actually did have problems with images Japan winter tours, shooting a total was my preferred memory card type, to store my images fast enough to not getting corrupted when I first started of 16,000 images, and so far I have not but as we'll see, this was based on old slow down my camera, and reliability. The shooting digital in 2000, and someone had any problems with them. information and a lack of understanding first two are relatively easy to test, and at Canon told me that deleting images of current technology on my part. Either we'll get to these results in a moment, randomly from the card and then way though, at the time I thought that but first let me talk about reliability continuing to shoot with it can cause there were no products available that I and how I tested this. use, so we put the conversation on the back-burner for a while.

Then, I decided it was time to get my first mirrorless camera, and bought the EOS R, and with that using the SDXC format memory cards, it was the perfect chance to evaluate ProGrade Digital's cards, so I jumped on the phone to them and had a few types of cards sent over to Japan for me to test. In the spirit of full disclosure you should know that I kept the two cards and workflow reader that I was sent, but I'd also like you to know that I have since bought a third

oday we're going to take a look at an card from Amazon.co.jp and I'm actually that I always use the Erase All Images a pretty good track record. I should amazing new brand of memory cards using that as my main card now, so I've function in my camera before formatting mention though, that I have mainly used and card readers from ProGrade voted with my dollars, or yen, as the card, again, in the camera. I also Sandisk and Lexar cards, with a couple

So, let's take a look at these cards, and

Reliability

In my opinion, the only way to test the reliability of a memory card is to use it, day in, day out, in the field. This is the reason that you haven't seen a review of these cards until now, despite me taking delivery of them in December 2018. I needed to use the cards in the field, to ensure that they weren't going to break on me. In my 19 years of shooting digital, I've actually had very few issues with cards. I attribute this partly to the fact

camera and then continue shooting. I measure. sometimes delete the last photo or two that I shot, but I never go back through the card looking for images that I can delete. In my opinion, this is just asking for trouble.

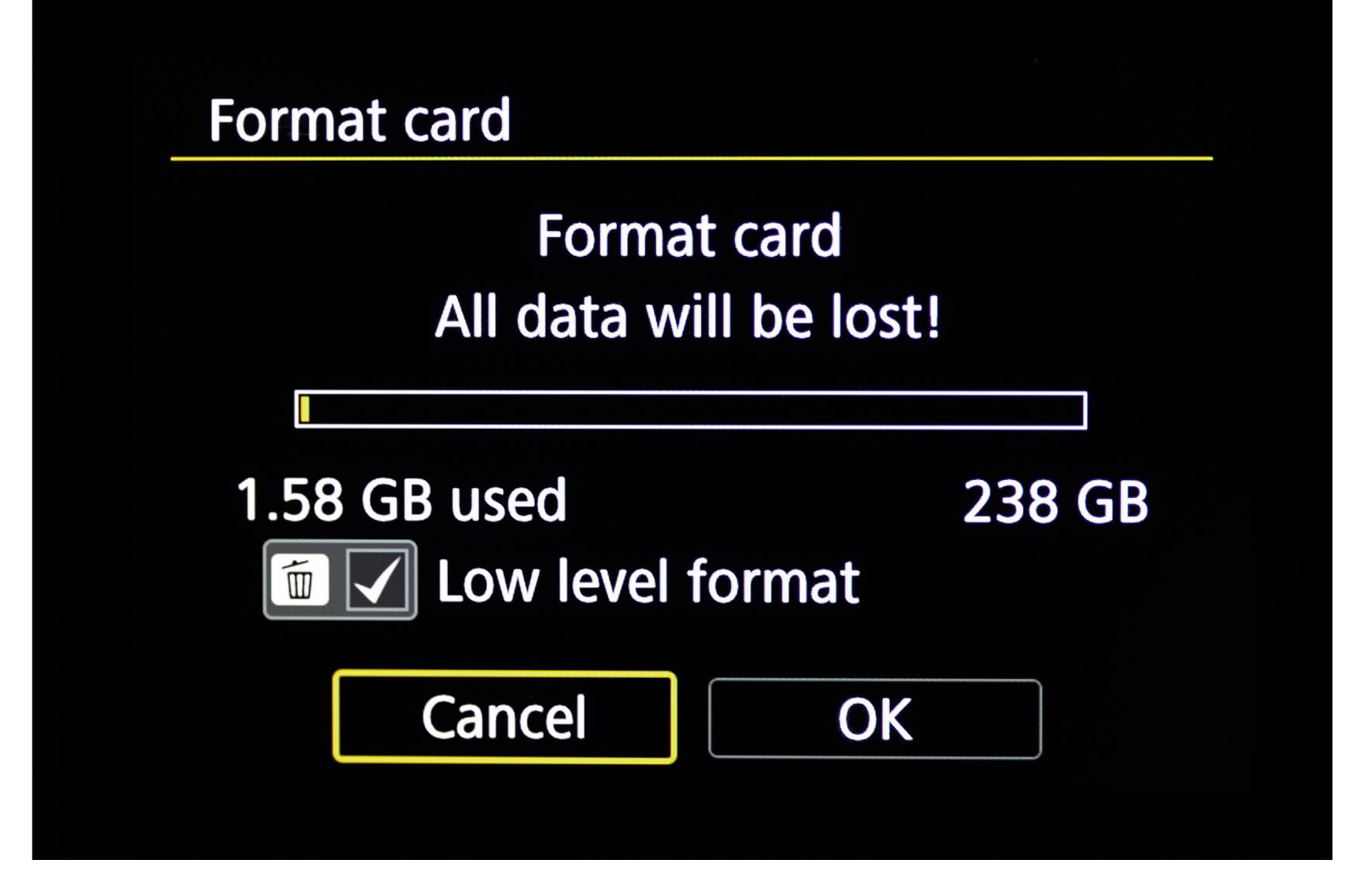
problems, so I've just not done it since. It's hard to say of course if it's because of these things that I have had so few issues, but I can't imagine it's hurt in any way either.

did have a Sandisk card develop a fault a couple of years ago, and it turns out that the card had literally become defective and needed to be replaced, but that was the only time that this happened to me in 19 years, so I have

never delete images from the card in the of Transcend cards thrown in for good

Compared to 19 years of shooting, I do have a relatively short frame of reference to draw from for this review, but I used a 256GB ProGrade Digital UHS-II, U3, CLASS 10, V90 card for all three of my

One new thing that I have been doing on the advice of the ProGrade Digital team, is to perform a Low-Level Format, by turning on the checkbox on the Format screen on my camera whenever I format the cards.



concerns about the reliability of these higher Read speed. cards. They've securely saved 16,000 of my images over the last few months, and see no reason why they won't continue to do so moving forward.

Speed Tests

I have to admit, when it comes to speed testing these memory cards, I initially

completely missed the verbiage on the ProGrade Digital website that adds important information about the cards. The speed written on the face of the cards is apparently only the Read speed. The Write speed is different. Sometimes different to the point that you really wish the manufacturers of these cards would

So, at this point in time, I have no print on the card along with the much The V60 SDXC cards though have a much Flash cards and a new Transcend SDXC

For example, the V90 SDXC cards that I have are rated at 250 MB/s read speed, and 200 MB/s write speed. That's not a huge difference, and my tests actually showed that the write speed was much higher at 238 MB/s so the difference is Anyway, I grabbed all of my latest minimal.

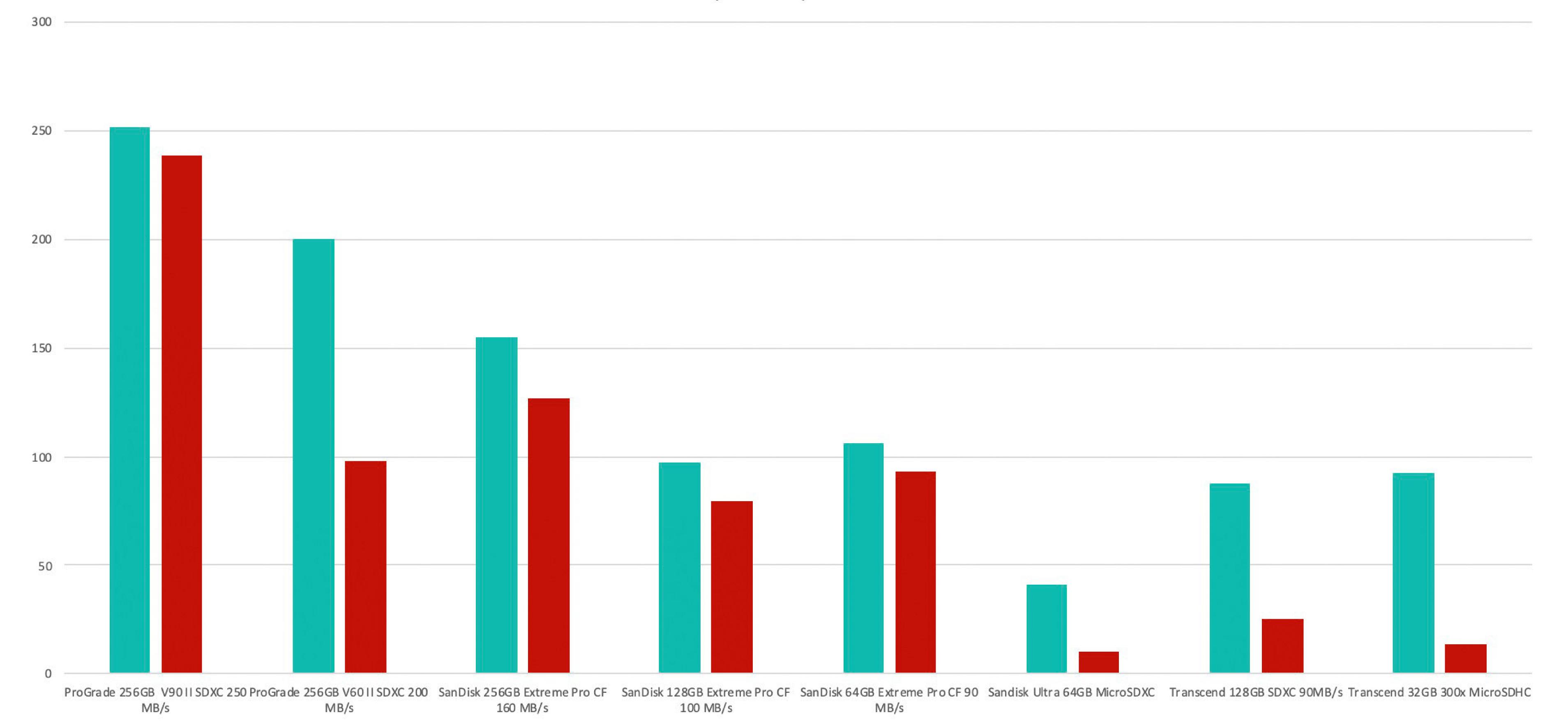
larger difference, with their read speeds card that I use in my Zoom H6 digital up to 200 MB/s, but their write speeds recorder. I have also seen people shooting are only supposed to be up to 80 MB/s. digital cameras with the small MicroSD Again, in my tests, the write speed was cards in the adapter, and although this higher at 98 MB/s and the read speed works, it's generally going to slow down was spot on at 200.2 MB/s.

model cards and did some comparisons pitching my new ProGrade Digital cards

the camera, so I included a Sandisk Ultra MicroSDXC card and a Transcend MicroSDHC card for comparison.

was pleasantly surprised by these against my latest Sandisk Compact results. For many years I've considered

Memory Card Sequencial Read/Write Speed Comparison



much slower than Compact Flash cards, and for a while I believe that was true, but as you can see from these results, the read speeds of the ProGrade Digital cards are much faster than my latest Sandisk Compact Flash cards, although believe that as of April 2019, at 160MB/s, the Extreme Pro cards

SD cards to be

ProGrade Digital Memory Cards and Workflow Reader Review that I tested are Sandisk's fastest Compact Flash cards.

And for good measure, here is a merged screenshot of the test results for each card, so that you can check out the other data if that's of interest to you. Personally I don't really understand the other numbers. The sequential read/write speeds are all that I'm interested in

Thinking about it, if I'd known that these V90 SDXC cards were so much faster than my Compact Flash cards, I actually should have started using them in the SD slot of my 5Ds Rs when ProGrade Digital first contacted me. I was never really concerned about the speed of my Sandisk cards, but that's because I thought I was using the fastest cards available. If I'd been using these faster ProGrade Digital SDXC cards the painfully slow frame rate of my 5Ds R might have improved a little. It's hard to say now, as I've actually already sold them both.

Ability to Keep Up

The other important aspect with regards to the speed of a memory card is its ability to keep up with the camera. I have traveled with people that complain



that their cameras are not even close. Of course, price is always a factor, and on the shutter until the buffer was full imagine the difference is going to be to the frames per second that they are this is why ProGrade Digital offers their while taking a few readings I noticed for much of a problem. supposed to be capable of, and there V90 and V60 versions of their SDXC cards. example that if I did bursts of around are sometimes reasons for this other The 256GB V90 card has a price tag 10 to 15 frames the buffer took around than the speed of the card. For example, of \$380, compared to just \$140 for the four times longer to empty on the V60 depending on your camera's settings, same sized card in the V60 form factor. card compared to the V90 card, but the frame rate can drop if, like me, you If the lower price is attractive, you just when I tried completely filling the buffer tell the camera not to release the shutter need to ask yourself if the performance the difference was much less. unless it's pretty sure that the image is gains are necessary for your shooting in focus.

Often times though, when I check the cards of people that are unhappy with

workflow, and the ability of the card to save your images and empty your buffer is a big part of this.

the speed of their camera, and its ability. So, I did a relatively crude but useful likely to fill your buffer completely, and to 7.5 frames per second, and that is still to empty a full buffer, they are using test, by simply setting my camera in how often waiting an extra 2.5 second very respectable for a card that is 37% cheap and often very slow memory cards. manual focus, with a fast shutter of for that buffer to completely empty is the cost of its big brother. Again, when 1/500 of a second, so that didn't slow going to mess up your workflow, I don't thinking which one is for you, just ask anything down, and just mashed down

also transfered the test images to my computer and looked at the EXIF data to count how many frames per second I was getting. With the V90 cards I was getting a continuous 8 frames per second, which is the maximum frame It took 10 seconds to empty a full buffer rate for my EOS R, so that's great! The of 31 images on the V90 card, and around V60 card gave me 8 frames per second 12.5 seconds on the V60 card, so if you sometimes and 7 frames per second think about how many times you are other times, so we can average this out







really going to kill you in the field.

Same Price Worldwide!

But, being a complete hypocrite, I have never been able to get over my Mum's advice of "If you're gonna 'ave one, 'ave a big one", so when it came to buying myself another ProGrade Digital SDXC card, I of course went for the 256GB V90 card, but you know what? There is another incredibly cool reason that I did that.

As a company, ProGrade Digital have decided to break the mold, and offer their cards at pretty much the same price in all countries that you can buy them from, and because they have no prices to protect from country to country, you can also simply buy them direct from the ProGrade Digital online store, and have them shipped to you. Of course, if you live in the US this doesn't affect you in any other way than you can be happy that ProGrade are a cool company. If you live outside of the US though, this really is a breath of fresh air.

companies have and still do charge way card readers over the years, and some

For example, my Sandisk 256GB Extreme the ProGrade card reader blows them CF card, and the other running a test Pro compact flash card is currently for all out of the water. sale for \$340 at amazon.com and B&H.

or maybe ProGrade has them running of images to my external SSD. scared. Either way, this is a huge step in the right direction, and I hope that many other companies start to follow suit.

From what I hear from the ProGrade my drive being a super fast <u>Samsung</u> Now that I've sold both of my Canon in India and the UAE.

Workflow Readers

Before we wrap up this episode though, have to tell you about what ProGrade Digital are calling their Workflow Readers. These are memory card readers that are Historically the other memory card absolutely amazing! I have used many

yourself if that 0.5 second difference is more for their cards outside of the US. have been good, some not so good, but open, one running a test on my Sandisk

The main reason I love this card reader is That same card on Amazon here in Japan because it's fast! Of course, I used it for costs \$452! It's actually been a while since all of the tests that we've done, but when checked, and that difference seems I got to the hotel each evening during less than before, so I think the big guys my recent winter tours, it literally only are taking a leaf out of ProGrade book, took a few minutes to transfer hundreds. These workflow readers come in a number

> Keeping in mind though, that I am using USB 3.1 Gen 2 connectivity on both my 13" MacBook Pro and my iMac Pro, and that is much faster than USB 3.0, and the speed that this all provides.

> The other thing that I love about the ProGrade Digital Workflow Reader that I have is that it has both a Compact Flash and SD card slot, and get this; you can transfer images from both slots at a time and the transfer speed doesn't drop when you do that. I ran a test with two different speed test applications

one of my ProGrade Digital cards, and when I stopped one, the other didn't change its speed at all (see following page). They just kept steaming along without batting an eyelid, and that is impressive.

of configurations, so although I got the Compact Flash and SD card version, you can also get readers with dual MicroSD card slots, a CFast and SD slot, dual SD slots, and a single slot CFX card reader.

team, in addition to <u>Amazon in the US</u>, <u>X5 Solid State Drive</u> makes a difference 5Ds R bodies and bought a second EOS you can now buy their products from too, but transfer speeds are always only R, I no longer own a camera that uses Amazon in Mexico, Canada, 27 countries as fast as the weakest component, so Compact Flash cards, so I'll be getting in Europe, Japan, Australia, and they having everything at the latest and a dual SD card reader the next time I are currently in the process of launching greatest really helps me to appreciate place an order with Amazon Japan, and that will enable me to download images from two cards at the same time. When using software like Capture One Pro that can actually handle simultaneous imports, especially when it doesn't slow the transfer down at all, this can be a huge time saver.

Check Out ProGrade Digital Products

Check out these card or Workflow Readers on your local <u>Amazon</u> store or

company.

reader to it with the built-in magnet. And when you consider that regular completely impressed me with their if you like. A great product to support compact flash cards are now on their speed and quality, so I recommend their an amazing line of memory cards from way out, I can understand their business products with a massive thumbs-up. this wonderful new forward-thinking decision to concentrate on these new technologies.

on the <u>ProGrade Digital website</u>. They're That reminds me, I didn't even mention So, we'll wrap it up there for this compact, incredibly fast, and even come that ProGrade are creating CFExpress, episode. Do check out ProGrade Digital's with a little metal strip that you can Micro SDXC and CFast cards in addition products when you are in the market for attach to something and then clip the to the SDXC cards that I am now using. a new memory card or reader. They've



