

Video reporting on a mission using a mirrorless camera

The mirrorless camera: beyond producing videos with a mobile phone

My personal experience

The question: “Instead of giving our missionaries entry-level phones (under \$500), couldn't we instead provide them with high-end phones (\$1,000 to \$1,500 – or even more)?

My answer: If you have that kind of money—which certainly isn't the case for everyone—I'd go for a mirrorless camera (with the under \$500 mobile phone).

A while ago, my first steps...



My interest in photography began in my early teens, in 1968. I was given a Yashica 35mm film rangefinder camera (aperture-priority) with its fast 45mm f/1.7 lens. (I still have the camera). My interest in photography has never waned since then.

Nowadays, my usage (as an example) is:

- Mainly photography (RAW and JPEG) and some short videos sequences (H.264/MP4 AVC).

- For travel, portrait (family and friends), wildlife, landscape, and *faith-based* events

Then, my main requirements are:

- Mostly affordable
- Compact and quite portable
- 24 Megapixel (6000 x 4000) APS-C sensor
- LCD screen + viewfinder
- Photo
 - aspect ratio of 3:2 and 16:9
 - image format: RAW*, C-Raw* and JPEG
- Video
 - H.264/MPEG-4 AVC 8-Bit
 - 1920 x 1080 at 59.94 and 29.97 fps
 - 1280 x 720 at 59.94 fps
 - 1/8" / 3.5 mm TRS microphone input
 - USB-C 2.0 (Data) Output
 - Hot shoe mount for TTL external flash
- Several metering methods, exposure modes and white balance presets

* RAW and C-RAW offers 12/14 bits depth and 4:4:4 (no subsampling) formats

Limitations for which I really do not mind:

- The battery can't be charged while in use or via USB
- Fixed-position LCD screen which is not touch-sensitive.

The process (for I followed to choose my camera:

There were 4 contenders:

1. Read some “serious” specialized reviews on the web – technical and field production (photo and video).
2. Read the manufacturer documentation which describes every aspect of a potential camera, every of its single

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detail, every function and all the possible settings. At this point, I really knew what the cameras do (and do not by deduction)

The 4 good contenders:



Lumix G100D



Nikon Z30



Sony ZV E10



Canon EOS R100

Only one of those met all my requirements (see page 1). Furthermore, in a photographers' boutique near me there was a quite interesting "special".

It came with these lenses:

18- 45mm f/4.5-6.3

55-210mm f/5-7.1

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I choose the Canon EOS R100

I read the 667 pages PDF Advanced User Guide to know “in depth” - mainly the technical aspect - of the camera.

3. Read a step-by-step “practical guide” for that camera, the Canon EOS R100



A pocket guide on how to set and use the camera for different situations was also acquired

Also includes, a flash: the **Godox IT 32**



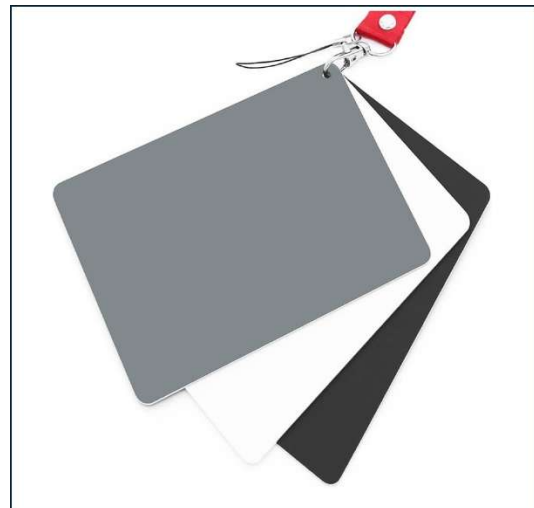
3

Fully compatible with the Canon R100

As for other accessories

Besides sunshades (for lens) extra battery, lens cleaning kit and carrying bag, accessories presented in the paper **Equipping your mobile phone to produce fully adequate video recording** are suitable for use with this camera.

Optional items
(which I acquired)



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A white and grey card can be used for manual white balance in production (before shooting), for photography as well as for video.



A color checker is useful when it comes to adjust (match) color in postproduction

This is only an example. You are invited to make your own process to choose the camera and accessories you need.

4

In the service of our Lord,

Pierre

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« ... how can they believe in the one of whom they have not heard...».

Romans 10:14