



Urban Wildlife Photo Club

October Newsletter

Next Meeting: Oct. 4, 2016 – VIP Room 7:00 PM
Denver Museum of Nature and Science

Club Contact information:

Address: COUWPC,
PO Box 270501
Louisville, CO 80027-0501

Email: uwpc@comcast.net Website <http://www.couwpc.com>

October Program

Our October speaker will be club member Tom Loucks presenting a program on the Pyrenees Mountains of the Iberian Peninsula. Tom and his wife Dominique have travelled extensively in this part of the world, always bringing home great images of the scenery and culture. This promises to be a great program!

MEMBER IMAGE SUBMISSION

October Images are due September 24th due to my scheduling situation

PLEASE TRY TO ADHERE TO THE DATE & SIZE REQUESTED -1MB

GUIDELINES

- Two categories at each meeting - THEMED AND OPEN
- Maximum of **4 images total** and **no more than one themed image**
- Email files one week before the scheduled meeting to **uwpcimages@comcast.net** Please use this one!
- Send themed category images in an email titled 'themed images'
- Send open category images in an email titled 'critique images'
- Name the image file with your name and a brief title with no spaces or underlines. Dashes are OK. (e.g. bobdean-treeinsnow.jpg) or (bob-dean-treeinsnow.jpg)
- So we can easily add these images to the webpage if selected for images of the month, please try to do the following:
 - **SIZING IMAGES** - Go to Image > Image size and put in a maximum Image Size of 1024 X 768 pixels.

- If cropped, no larger than either of these dimensions. Set Resolution to 94 pixels / inch
- File size per image no larger than 1MB and in jpeg format

OPTIONAL Descriptive information for each *critique image* should be as follows:

IMAGE	IMAGE TITLE	SPECIES	LOCATION	CAMERA	LENS	EXPOSURE DATA	POST PROCESSING ENHANCEMENTS
Critique 1							
Critique 2							
Critique 3							

Exposure data should, for example, include f/stop, shutter speed, ISO, any exposure compensation, and any filter information.

Post processing enhancements should include only those things beyond simply cropping, sharpening, noise reduction, etc. such as HDR, panorama work, color enhancements, exposure changes, etc.

If you can put the image data (if you choose to include it) **as text** in the body of the email as opposed to an attached word or excel file it would be appreciated! Makes life easier if everyone does the same thing.

October Theme – Zoo Animals

November Theme - Fall Color - Not from Colorado

KUDOS

Jim Picardi entered two images in the Nature Conservancy Photo Contest have been recognized as top 100 finalists. The bear is the Kermode Bear found in the Great Bear Rain Forest. The scenic is Morant's curve in Alberta near Lake Louise.



If anyone has an image published, places in a contest or gets any kind of recognition for their work, please let us know and we'll get it into the newsletter. Please use [email](mailto:uwpc@comcast.net) to uwpc@comcast.net to alert us. (If you tell me verbally at the meeting or on the phone I can almost assure you that I'll forget!)

Sony RX10 II – First observations by Jim Esten

I'm not much for writing articles, so I present this in outline mode. See technoid specs below. The DxO Mark rating is very high for a bridge camera. This is the camera I carry when I don't want to lug around a DSLR and lenses, and I am very happy with it.

The features which I like:

Zeiss lens

f/2.8 is possible throughout the entire 24-200 zoom.

Can charge the battery in camera in car via USB.

Exposure Compensation on easily accessible top dial. Very handy on a point-and-shoot

Aperture adjustment is a ring on the lens – very convenient

Using this in full manual is not difficult with a little practice compared to a traditional point-and-shoot.

Electronic viewfinder is bright and sharp, displays all exposure info.

Can set self-timer to shoot 3 or 5 pictures with one shutter click. Multiple shots are desirable when shooting a group due to people blinking.

Intervalometer available via time-lapse app.

Lots of fun apps available at Sony to be used in camera or in conjunction with smartphone.

Favorite settings can be made more accessible by assigning them to the Function button and C1 and C2/delete buttons on the back (rather than hunting through menus for them).

Continuous shooting of a moving object is surprisingly good.

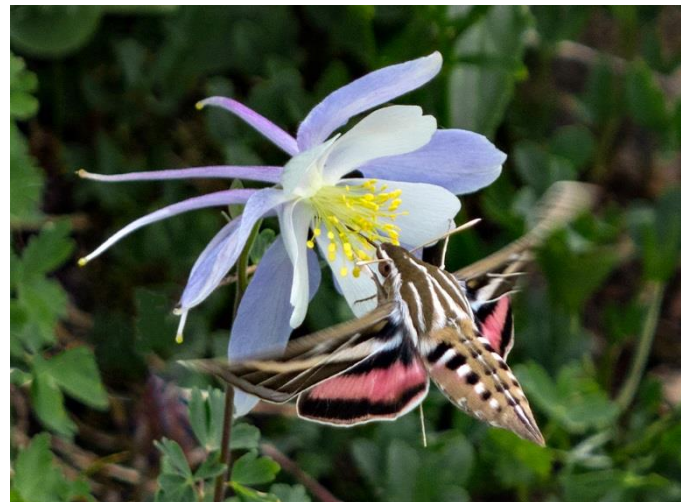
Slow sync and rear sync modes available in flash.

Much better feel in my hands than my previous P&S, with my right hand on the battery compartment grip and my left hand on the fat little lens.

FAIL:

WiFi setup can be very confusing

Batteries have somewhat short life. A second battery is essential.



Model Name:

Sony Cyber-shot DSC-RX10 II

General

Retail Price:	\$1300.00
Street Price:	\$1,198.00
Date Available:	2015-07-15
Tripod Mount:	Yes
Weight:	29.9 oz (849 g)

includes batteries
Size: 5.1 x 3.5 x 4.0 in.
(129 x 88 x 102 mm)

Waterproof: No

Image Sensor

Sensor Type: CMOS
Sensor Manufacturer: Sony Exmor RS
Effective Megapixels: 20.2
Sensor Format: 1 inch
Sensor size: 116.16mm² (13.20mm x 8.80mm)
Approximate Pixel Pitch: 2.41 microns
Focal Length Multiplier: 2.7x
Aspect Ratio: 3:2
Color Filter Type: RGBG
Anti Aliasing Filter: Fixed
Sensor shift image stabilization: No
On-Sensor Phase Detect: No
DxO Sensor Score: 70
DxO Color Depth Score (bits): 23.0
DxO Dynamic Range Score (evs): 12.6
DxO Maximum Effective ISO Score (iso): 531

Image Capture

Image Resolution: 5472 x 3648 (20.0 MP, 3:2),
4864 x 3648 (17.7 MP, 4:3),
5472 x 3080 (16.9 MP, 16:9),
3648 x 3648 (13.3 MP, 1:1),
3888 x 2592 (10.1 MP, 3:2),
3648 x 2736 (10.0 MP, 4:3),
3648 x 2056 (7.5 MP, Other),
2736 x 1824 (5.0 MP, 3:2),
2592 x 1944 (5.0 MP, 4:3),
2720 x 1528 (4.2 MP, 16:9),
12416 x 1856 (23.0 MP, Other),
8192 x 1856 (15.2 MP, Other),
2160 x 5536 (12.0 MP, Other),

	2160 x 3872 (8.4 MP, Other)
Image File Format:	JPEG, RAW (ARW 2.3), RAW+JPEG
Continuous-mode frames/second:	14.2
Video Capture	
Can take movies:	Yes
Movie Resolution:	3840x2160 (30p/25p/24p) 1920x1080 (120p/100p/60p/60i/50p/50i/24p) 1280x720 (30p/25p) 1824x1026 (250p/240p) 1676x566 (500p/480p/250p/240p) 1136x384 (1000p/960p/500p/480p) 800x270 (1000p/960p)
Movie File Format:	XAVC S 4K / XAVC S HD / AVCHD Ver.2.0 / MP4; with LPCM (2ch) / Dolby Digital (AC3) / MPEG-4 AAC-LC audio
Composite Video Out:	No
NTSC/PAL Switchable Video:	n/a
Video Usable as Viewfinder:	n/a
HD Video Out:	Yes
HD Video Connection:	HDMI
Lens & Optics	
Lens Mount:	n/a
Lens:	Carl Zeiss Vario-Sonnar T*; 14 elements in 11 groups, including 7 aspheric elements, 7 blade aperture
Focal Length (35mm equivalent):	24 - 200mm
Focal Length (actual):	8.8 - 73.3mm
Zoom Ratio:	8.33x
Aperture Range:	f/2.8 - f/16
Integrated ND Filter:	Yes
Normal Focus Range:	13 cm to Infinity 5.1 in to Infinity
Macro Focus Range:	3 cm to Infinity 1.2 in to Infinity
Filter Thread:	62.0mm
Optical Image Stabilization:	Yes

Digital Zoom:	Yes
Digital Zoom Values:	Up to 4x; up to 2x Clear Image Digital Zoom
Auto Focus	
Auto Focus:	Yes
Auto Focus Type:	Contrast Detection: Wide, Center, Flexible Spot (S/M/L), Expanded Flexible Spot, Lock on AF (Wide/Center/Flexible Spot (S/M/L)/Expanded Flexible Spot)
Auto Focus Assist Light?	Yes
Manual Focus:	Yes
Viewfinder	
Viewfinder:	EVF / LCD
Viewfinder Type:	Fixed EVF: 0.39-inch, 2359K-dot XGA OLED, 100% coverage, 0.7x magnification, 4 dual-sided aspheric lenses, 33 degree view angle, -4.0 to +3.0 diopter, eyepoint 23mm from eyepiece, 21.5mm from eyepiece frame (CIPA standard), eye sensor

Focus Peaking:	Yes
EVF Resolution:	2,359,296 dots (786,432 pixels)
Viewfinder Magnification (35mm equivalent):	0.70x
Viewfinder Magnification (nominal/claimed):	0.26x

Display

Eye-level Viewfinder:	Yes
Rear Display:	Yes
Rear Display Size (inches):	3.0
Rear Display Resolution:	1,228,800 dots (307,200 px)
Touchscreen:	No
Articulating Screen:	Yes
Tilt Swivel Screen:	No
Selfie Screen:	No
Top Deck Display:	Yes

Exposure

Maximum ISO (native):	12800
-----------------------	-------

Minimum ISO (native):	100
ISO Settings:	Auto, ISO 100 - 12800 with ISO 64 and 80 low extensions, up to 25600 with Multi Frame NR
Auto ISO Mode:	Yes
White Balance Settings:	Auto, Daylight, Shade, Cloudy, Incandescent, Fluorescent (Warm, Cool, Day, Daylight), Flash, Color Temp/Filter, Custom
Shutter Speed Range:	30 - 1/32000
Bulb Mode:	Yes
Exposure Compensation:	+/- 3.0EV in 0.3EV steps
Metering Modes:	Multi-segment, Center-weighted, Spot
Program Auto Exposure:	Yes
Aperture Priority:	Yes
Shutter Priority:	Yes
Full Manual Exposure:	Yes
Creative Exposure Modes:	Scene Modes: Portrait, Sports Action, Macro, Landscape, Sunset, Night Scene, Handheld Twilight, Night Portrait, Anti Motion Blur, Panorama; HFR Mode; Picture Effects: Toy Camera, Pop Color, Posterization, Retro Photo, Soft High- key, Partial Color, High Contrast Monochrome, Soft Focus, HDR Painting, Rich-tone Monochrome, Miniature, Watercolor, Illustration; Dynamic Range Optimizer (Auto / Level), Auto High Dynamic Range: Off, Auto exposure difference, Exposure difference level (1.0 - 6.0 EV, 1.0 EV step)
Self Timer:	2, 5, 10; 3 or 5 shots after 2, 5, 10; Portrait seconds
Time Lapse (intervalometer):	No
High Resolution Composite:	No
Flash	
Built-in Flash:	Yes
Flash Modes:	Auto, Fill-flash, Slow Sync, Rear Sync, Off; (Wireless supported via external flash only; internal flash does not support Wireless mode.)
Flash Guide Number (ISO 100):	n/a
Flash Range Description:	ISO Auto: Approx. 1.0m to 10.2m (3.28 ft. to 33.46 ft.)
Max Flash Sync:	1/3200s at F8, 1/1600s at F2.8
Flash Exposure Compensation:	+/- 2.0 EV in 0.3EV steps
External Flash Connection:	Multi Interface Hot Shoe

Built-In Wireless Flash Control: No

Image Storage

Usable Memory Types: MS Duo / MS PRO Duo / SD / SDHC / SDXC

UHS Support: UHS-I

Other Memory:

Dual Card Slots: No

RAW Capture Support: Yes

Uncompressed Format: RAW (ARW 2.3), RAW+JPEG

Movie File Format: XAVC S 4K / XAVC S HD / AVCHD Ver.2.0 / MP4; with LPCM (2ch) / Dolby Digital (AC3) / MPEG-4 AAC-LC audio

Connectivity

Built-In Wi-Fi: Yes

NFC: Yes

Bluetooth: No

Built-In GPS: No

Microphone Jack: Yes

Headphone Jack: Yes

External Connections: USB 2.0 High Speed,WiFi

PictBridge Compliant: No

DPOF Compliant: Yes

Remote Control: Yes

Remote Control Type: Optional Wired or Wi-Fi

Connections (extended): Micro HDMI (Type D) with 4K support, Multi-terminal Micro USB port supports optional wired remote, External mic and headphone jacks

Performance Timing

Cycle time for JPEG shooting in single shot mode (seconds per frame, max resolution): 0.38

Cycle time for RAW shooting in single shot mode (seconds per frame):

Buffer size for RAW shooting in single shot mode (frames):

Cycle time for RAW+JPEG shooting in single shot mode (seconds per shot):	0.44
Camera penalizes early shutter press?	No
JPEG shooting speed in burst mode (fps, max resolution):	14.2
Buffer size for JPEG shooting in burst mode (frames, max resolution):	44
RAW shooting speed in burst mode (fps):	8.0
Buffer size for RAW shooting in burst mode (frames):	29
RAW+JPEG shooting speed in burst mode (fps):	8.0
Buffer Size for RAW+JPEG shooting in burst mode (frames):	27
Shutter lag (full AF, wide/mid):	0.16 seconds
Shutter lag (full AF, tele):	0.15 seconds
Shutter Lag (manual focus):	0.030 seconds
Shutter lag (full AF, with flash):	0.27 seconds
Shutter Lag (prefocused):	0.012 seconds
Shutter Lag (notes):	
Startup Time:	1.7 seconds
Play -> Record Time:	1.0 seconds
Flash cycle time, full power:	3.1 seconds
Power	
Battery Life, Stills (CIPA Rating Monitor/Live View):	400 shots
Battery Life, Still (CIPA Rating OVF/EVF):	360 shots
Battery Form Factor:	Proprietary NP-FW50
Usable Battery Types:	Lithium-ion rechargeable
Batteries Included:	1 x Proprietary NP-FW50 Lithium-ion rechargeable

Battery Charger Included
(dedicated charger or AC/USB
adapter): Yes

Dedicated Battery Charger
Included: No

Internal Charging Supported: Yes