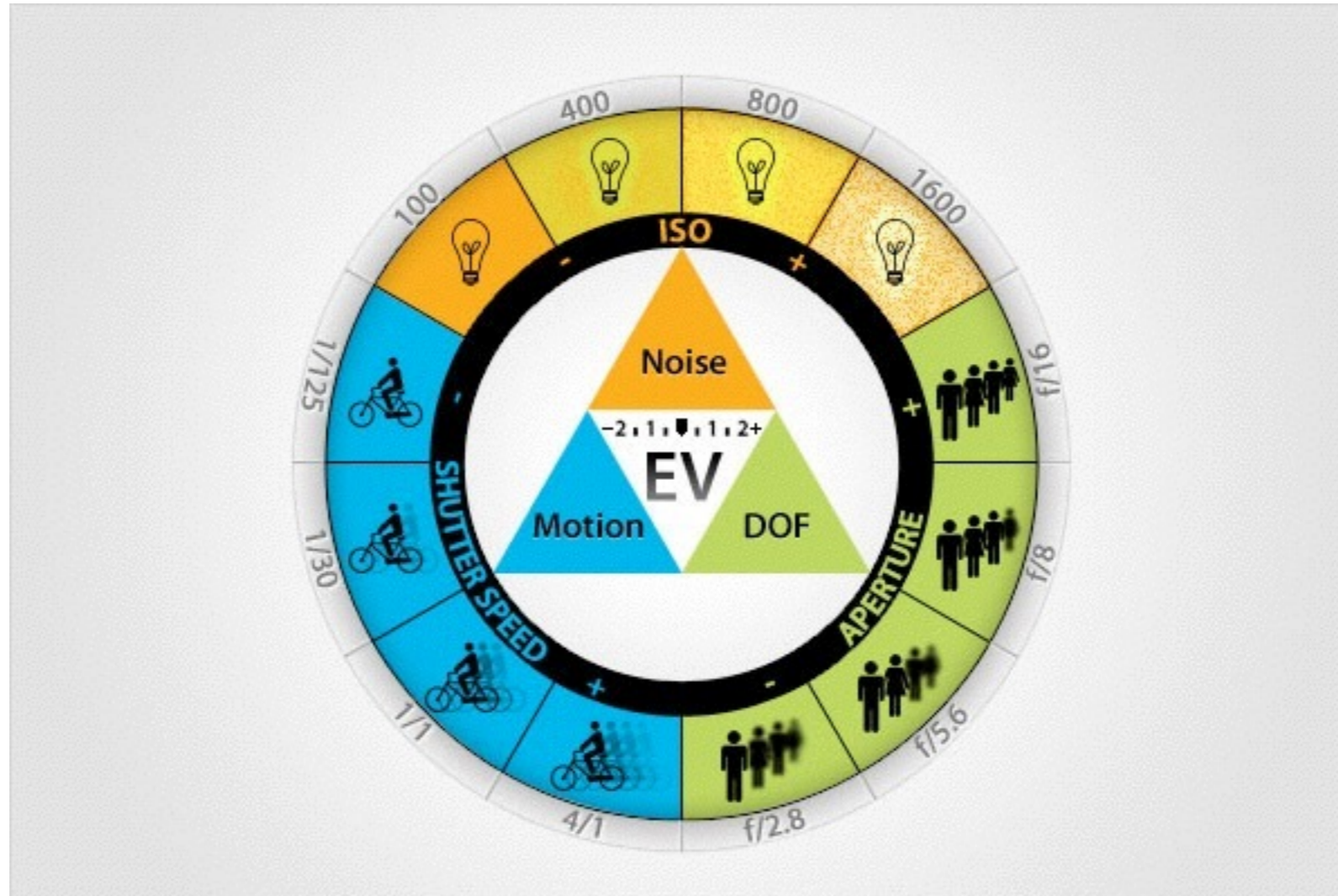


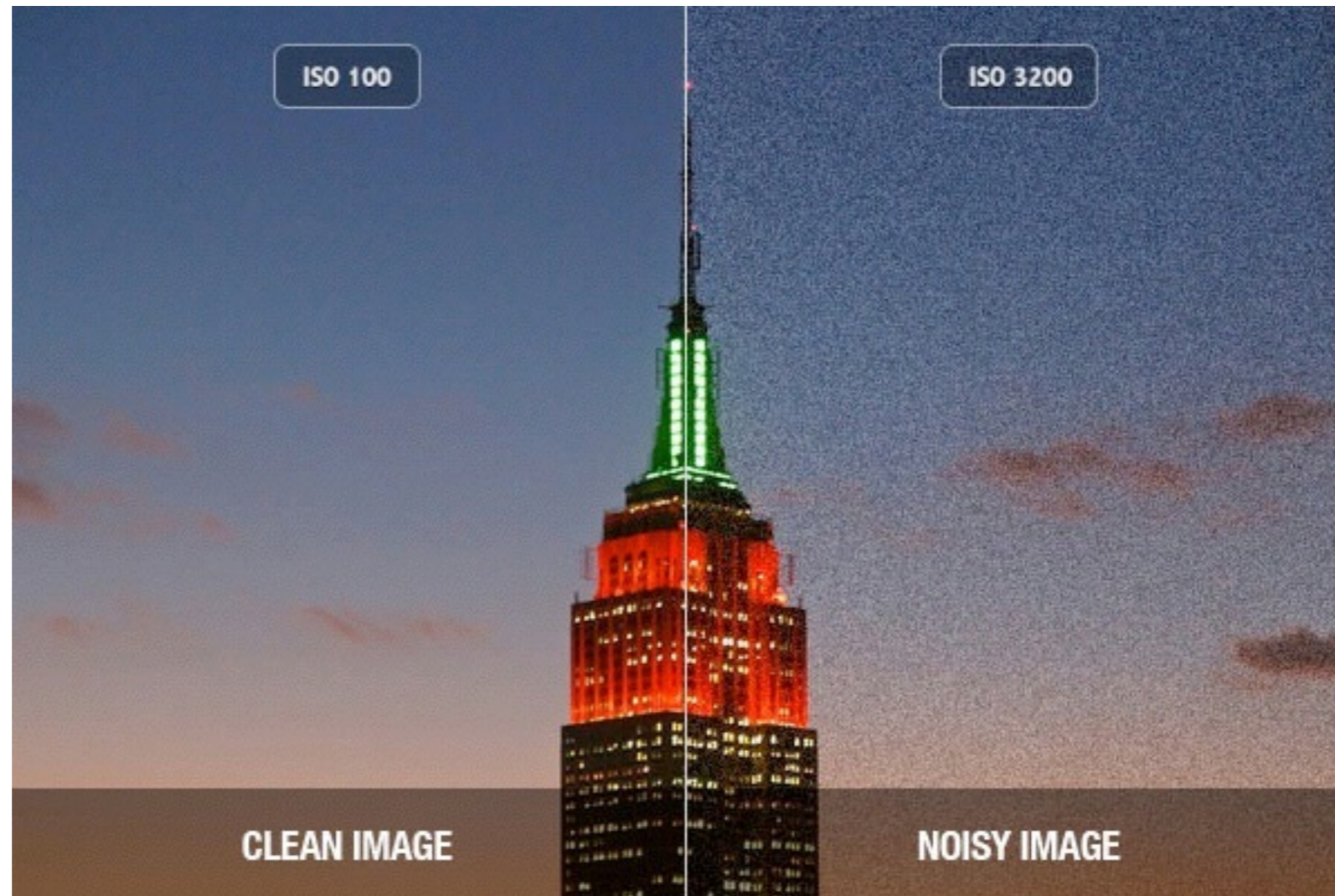
Using the manual settings on the ROPOS DSC Camera

ISO vs Aperture vs Shutter Speed



- The center triangle rotates. If you change the settings on one, settings on the other two get changed as well.

ISO



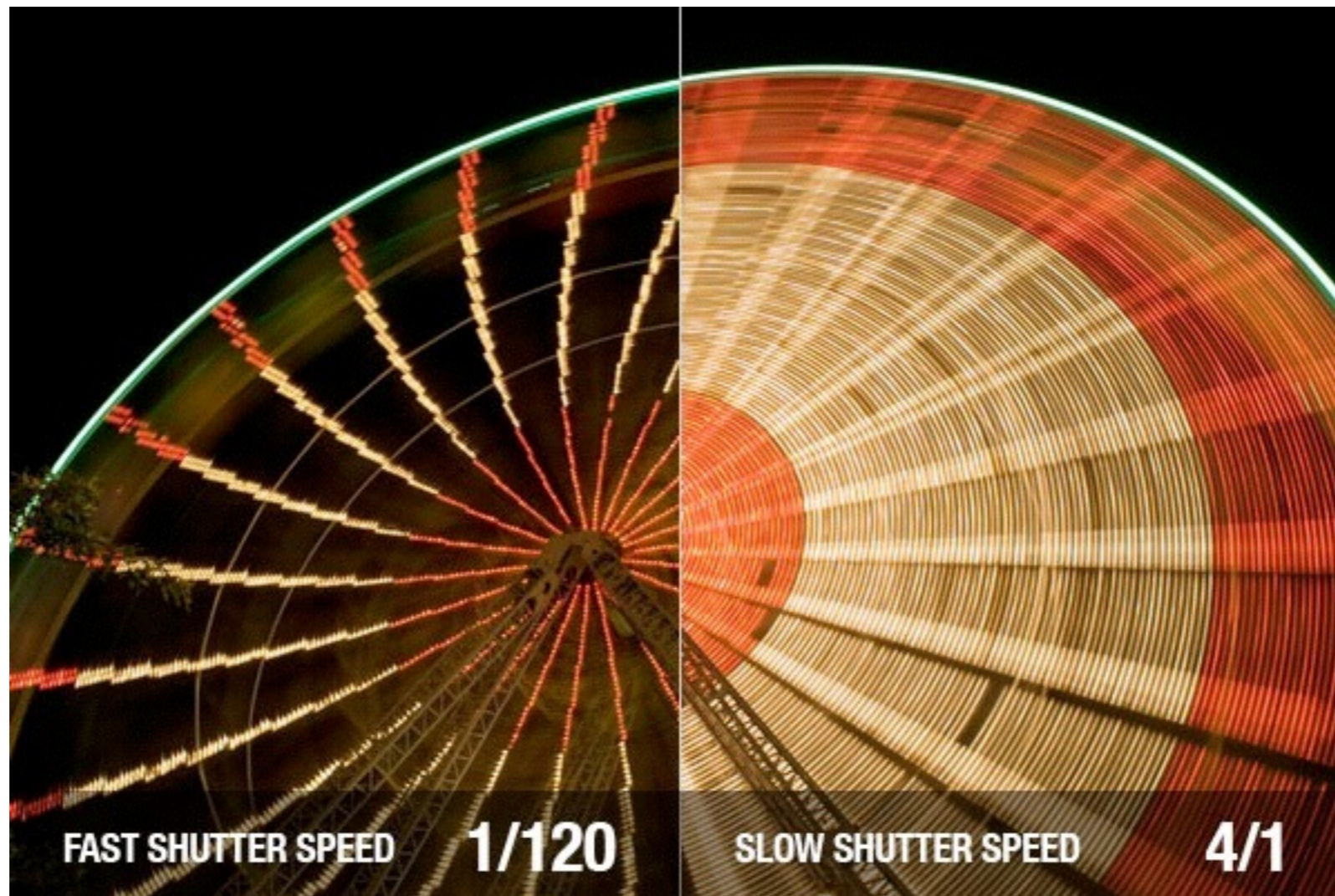
- Cannot be manually changed by the ROPOS DSC control.
- The higher the ISO, the higher the sensitivity. This means that the software must interpret more, despite less light coming in to the lens. Lower ISO, means more light and time to work with and less interpretation, thus a cleaner image.

Shutter Speed



- A lower shutter speed captures a snapshot in time, while a higher shutter speed blends motion together.

Shutter Speed



Aperture



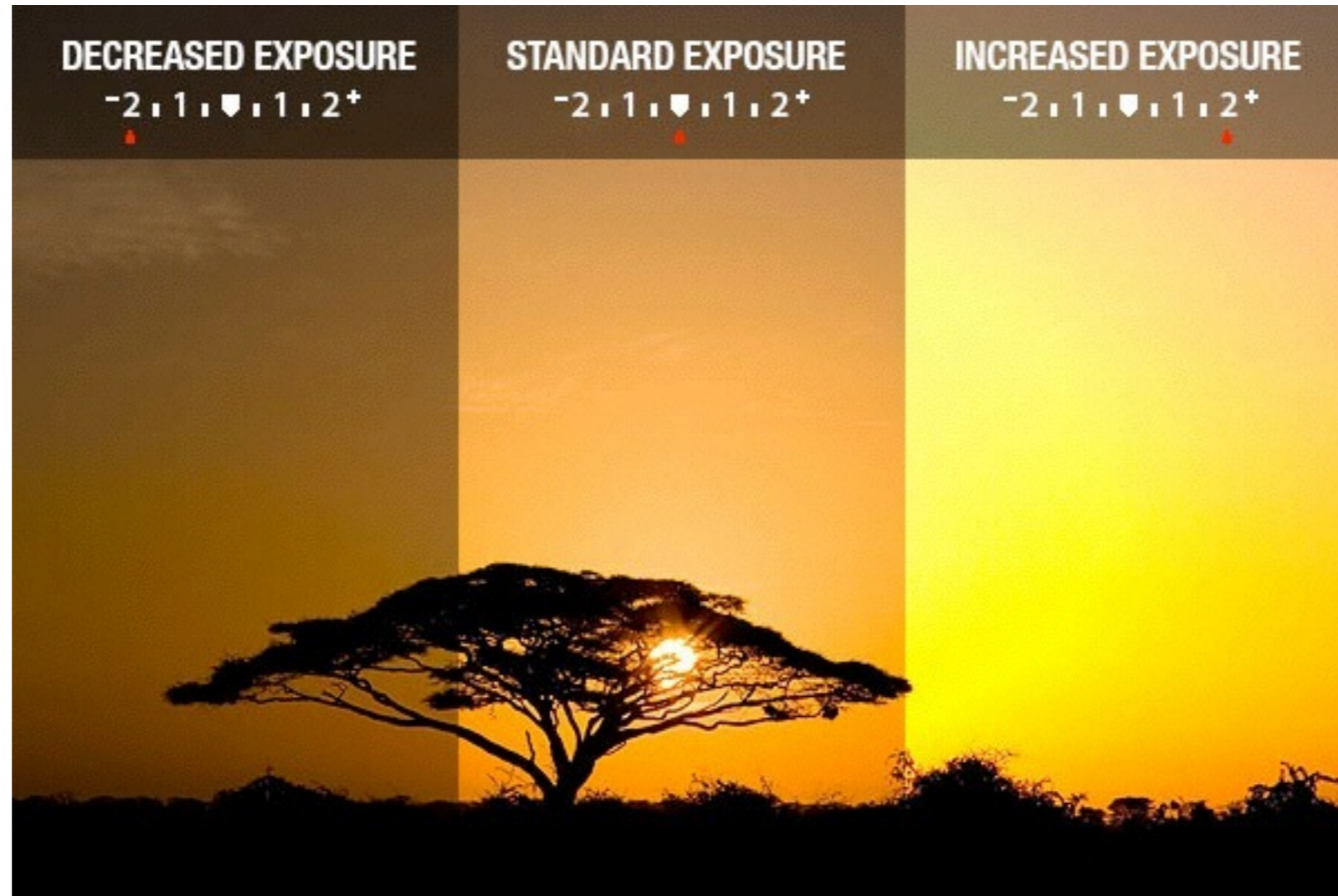
- A smaller Aperture will keep various objects at different depths of focus (DOF) in focus, while a larger aperture will focus in on just one particular area.

Exposure



- Brightness values in the image.

Exposure



Logging in Dive: 1722

192.168.1.7/logging.php#3095

INTEGRATED REAL-TIME LOGGING SYSTEM

RLS Version 2.0 (2.0.9)

Main Menu

- Home
- Investgate
- Logging
- Export Data
- Navigation

Logged-in

- Change password

LOG OUT

You are now logging in the following observation series: **Ropos launch**

Logging in Dive: 1722

Latest Observations

OBSERVATIONS 47 - 56 of 56 [Real-Time [Prev](#)]

Time*	Added by	Description	Latitude	Longitude	Depth	Heading	File
OBSERVATION SERIES (POSITION AND DEPLOY OBSBB) CREATED BY CATTIN RUSSELL							
2014-07-23 20:54:13	nobody	DSC: note open connector face	N45° 56.3782'	W129° 58.4257'	1519m	345°	
2014-07-23 20:54:46	Cattin	OBSBB removed from frame	N45° 56.3779'	W129° 58.4251'	1519m	345°	
2014-07-23 20:56:32	nobody	DSC: nudging the 3m oily cable off the platform	N45° 56.3774'	W129° 58.4251'	1519m	345°	
2014-07-23 20:57:08	Cattin	Moving oily out of the way to spin the OBSBB	N45° 56.3776'	W129° 58.4257'	1519m	345°	
2014-07-23 20:59:15	nobody	DSC: paddle is hung up somewhat	N45° 56.3777'	W129° 58.426'	1519m	345°	
2014-07-23 21:00:08	nobody	DSC: grabbing the oily cable, paddle released	N45° 56.3777'	W129° 58.4257'	1519m	345°	
		paddle,	N45° 56.3779'	W129° 58.4257'	1519m	345°	
		le to	N45° 56.3777'	W129° 58.4255'	1519m	345°	
		se LF	N45° 56.3777'	W129° 58.426'	1519m	345°	
		the	N45° 56.3777'	W129° 58.426'	1519m	345°	
		more	N45° 56.3777'	W129° 58.426'	1519m	345°	
		alfloor,	N45° 56.3774'	W129° 58.4247'	1518m	282°	
		om	N45° 56.3774'	W129° 58.4247'	1518m	282°	

Real-Time Data

Time: 2014-07-23 21:05:32

Latest Position:

- Timestamp: 2014-07-23 21:05:32
- Latitude: N45° 56.376'
- Longitude: W129° 58.4271'
- Depth: 1517m
- Heading: 6°
- Altitude: 2m
- Speed: -

Live View (Tripod)

Full Screen

Auto Rotate

Tripod

Adjust Focus

Start

AF and Start

Camera Control Pro

The D700 is connected.

Exposure 1 | Exposure 2 | Storage | Mechanical | Image Processing

Exposure Mode: Manual

Shutter Speed: 1/100 sec

Aperture: f/5

Exposure Comp.: 0 EV

Flash Comp.: 0 EV

Flexible Program: 0 Step(s)

Zoom Control - Zooming (please wait...)

24 70 18°

Slide to desired zoom, then release. If update is too soon, it will revert.

Next DVD Swap ~05:50 UTC

Status

Download folder: C:\DSCs

490.5 GB available on this volume

Number of images downloaded in this session: 219

Last image saved: R.1722_00034.jpg

Current task: Waiting for new images from camera...

Address

21:05 23/07/2014

Run

Type the name of a program, folder, document, or Internet resource, and Windows will open it for you.

Open: paint

This task will be created with administrative privileges.

OK Cancel Browse...

Live View (Tripod)

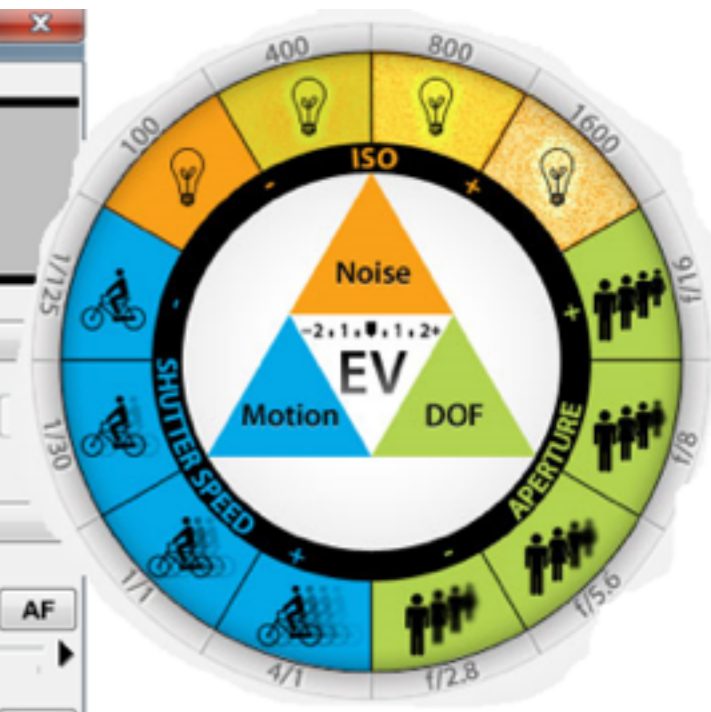
MOVE THIS BOX TO SELECT FOCUS AND EXPOSURE AREA

FOCUS WITHOUT TAKING PICTURE (TO PREPARE IN ADVANCE IF DISTANCE IS NOT CHANGING)

TAKE PICTURE NOW (USE ONLY IF YOU ARE SURE IT'S ALREADY FOCUSED)

FOCUS AND TAKE PICTURE

ZOOM CONTROL
WAIT TILL IT HAS STOPPED ZOOMING BEFORE SELECTING ANOTHER SETTING



Zoom Control - Zooming (please wait...) (...)

24 70 18°

Zoom control
Slide to desired zoom, then release.
If update is too soon, it will revert.

Next DVD Swap
~05:50 UTC

LOOK HERE FOR "THE FLASHIES" TO SEE OVER EXPOSED PARTS OF THE PICTURE

Download folder: C:\DSCs
410.5 GB available on this volume
Number of images downloaded in this session: 219
Last image saved: R.1722_00034.jpg
Current task: Waiting for new images from camera...

The D700 is connected.

Exposure 1 Exposure 2 Storage Mechanical Image Processing

Exposure Mode: Manual

BRIGHTER BUT BLURRIER SHARPER BUT DARKER

BRIGHTER BUT LESS IN FOCUS MORE IN FOCUS BUT DARKER

Exposure Comp.: 0 EV

Flash Comp.: 0 EV

Flexible Program: 0 Step(s)

SHUTTER: 1/40-1/80 WHEN PLANTED
1/100-1/250 WHEN FLYING (DEPENDING ON SPEED)

APERTURE: f/4 FOR NARROW DEPTH OF FIELD
f/8 FOR MORE THINGS IN FOCUS

EXPOSURE: SET -1/3 TO -2/3 IF IMAGES TOO BRIGHT
(USUALLY HAPPENS WITH IMAGES ON THE PORCH)

100 f5 + .9 M- (r 12)

To view ROPOS cameras live go to type
192.168.2.51:8080 in your browser.

For more information on setting imagery:

<http://www.exposureguide.com/exposure.htm>