

Lightweight Camera Kit

Dr. John A. Allocca

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www.DrJohnPhotography.com

Introduction



A6600 + 16-50 mm
17.8 oz + 0.26 oz = 18.1 oz
1.1 pounds



A6600 + 18-135 mm
17.8 oz + 11.5 oz = 29.2 oz
1.8 pounds



A6600 + 70-350 mm
17.8 oz + 22.1 oz = 39.9 oz
2.5 pounds

One can struggle endlessly between high resolution and lightweight cameras. For wildlife photography, long focal length lenses are required. The lenses usually weigh more than the camera. But, what if you wanted something for the “just in case there is a photo” and don’t want to carry a heavy camera and lens? Then, something lightweight, but high resolution, should be considered. There is a tremendous amount of controversy concerning APS-C vs full frame cameras. Full frame cameras and lenses are heavier and more expensive. If a person is bitten by the full frame fairy and wants to shoot wildlife, they should get a Sherpa (carrying person). A weight comparison between APS-C and Full Frame configurations are listed below.

Currently, the most compact camera with the longest focal length on the market today is the Sony RX100 VII. The lens has a photo length of 9 to 72 mm. Don’t be fooled when they say “35mm Equivalent Focal Length: 24 to 200 mm.” The equivalence is ONLY for field of view, not focal length. You still have a focal length of 9 to 72 mm, which is adequate for everyday shooting, but not adequate for wildlife. Interchangeable lens cameras offer different choices at different times depending upon the need.

The Sony A6600 is currently the top of the line of Sony APS-C cameras. For wildlife, use the 70-350 mm G lens, which is heavy. The best compact camera for “just in case” shooting may be the Sony A6600 (APS-C) + 28-70 mm “pancake” lens. Something a little larger and more versatile would be the Sony A6600 (APS-C) + 18-135 mm. For wildlife, the Sony A6600 (APS-C) + 70-350 mm

Carrying camera equipment with a shoulder bag adds uneven stress to the spine. The more it weighs, the more uneven stress it adds to the spine. Backpacks produce an even stress on the spine, but are difficult to access the camera and equipment. Carrying equipment on the waist is probably the best solution. Therefore, that is what is suggested here.

To carry the camera, lens(es), water bottle, extra battery, cell phone, etc., use the Think Tank 700061 Skin Changer Pop Down V3.0, which is expandable and a 1.5 inch Military Tactical Belt. If the A6600 with 70-300 mm camera is chosen, add the Think Tank 710866 Digital Holster 20 V2.0. to the belt system. Think Tank Photo makes a lot of modular components that can be configured to almost any need.

APS-C Camera and Lens Weights and Prices

Sony A6600 (APS-C) + Sony E PZ 16–50 mm (17.8 oz + 0.26 oz) = 18.1 oz (1.1 pounds)

Sony A6600 (APS-C) + 18-135mm (17.8 oz + 11.5 oz) = 29.2 oz (1.83 pounds)

Sony A6600 (APS-C) + 70-350 mm (17.8 oz + 22.1 oz) = 39.9 oz (2.5 pounds)

Sony A6600 (APS-C) + 70-350 mm + 16–50 mm (17.8 oz + 22.1 oz + 4.1 oz) = 44 oz (2.75 pounds)

Sony Alpha a6600 Mirrorless Digital Camera (Body Only) \$1399.99

Sony 16-50 mm \$299.99

Sony 18-135 mm \$549.99

Sony 70-350 mm \$899.99

Full Frame Camera and Lens Weights and Prices

Sony A9 (Full Frame) + 24–105 mm (23.7 oz + 23.4 oz) = 47.1 oz (2.9 pounds)

Sony A9 (Full Frame) + 70-300 mm (23.7 oz + 30.2 oz) = 53.9 oz (3.4 pounds)

Sony A9 (Full Frame) + 70-300 mm + 24mm (23.7 oz + 30.2 oz + 5.7 oz) = 59.6 oz (3.7 pounds)

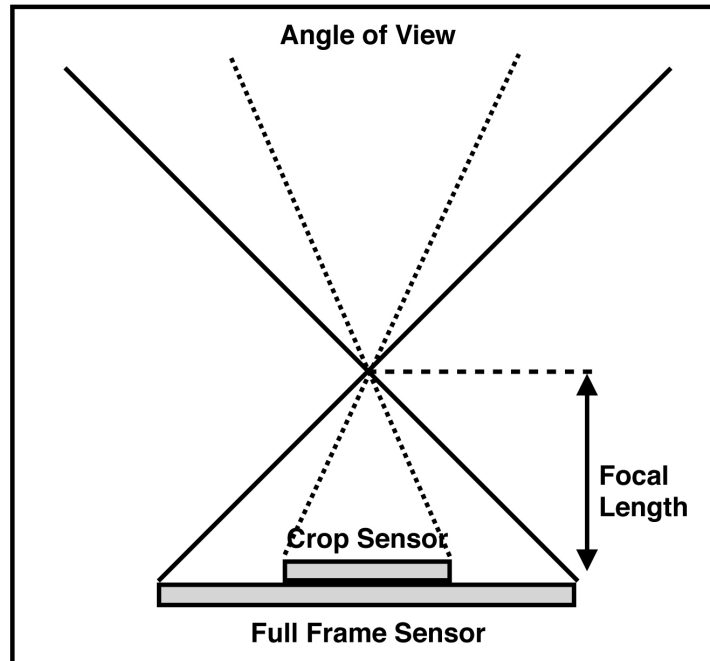
Sony Alpha a9 Mirrorless Digital Camera (Body Only) \$2999.99

Sony 24-105 mm \$1299.99

Sony 70-300 mm lens \$1174.99

Sony 24 mm lens \$599.99

Crop Sensor vs Full Frame Sensor



There is a great deal of confusion when it comes to comparing crop sensor camera lenses to full frame camera lenses. Often the specification of a crop sensor lens may be stated as 10 mm with a comparable 35 mm focal length of 15 mm. This may give the user the impression that they will have a 15 mm focal length. This is incorrect. The focal length doesn't change. Only the field of view changes. A full frame camera projects an image onto a sensor or film that is 36 mm x 24 mm in size. An APS-C camera projects an image that is 22.5 x 15 mm in size. An APS-C sensor costs less than a full frame sensor.

Parts List

Sony Alpha a6600 Mirrorless Digital Camera (Body Only)

MFR #ILCE6600/B

\$1399

<https://electronics.sony.com/imaging/interchangeable-lens-cameras/aps-c/p/ilce6600-b>

Sony E PZ 16–50 mm F3.5–5.6 OSS

SELP1650

\$299.99

<https://electronics.sony.com/imaging/lenses/aps-c-e-mount/p/selp1650>

E 18-135mm F3.5-5.6 OSS

SEL18135

\$549.99

<https://electronics.sony.com/imaging/lenses/aps-c-e-mount/p/sel18135>

Sony E 70–350 mm F4.5–6.3 G OSS

SEL70350G

\$899.99

<https://electronics.sony.com/imaging/lenses/aps-c-e-mount/p/sel70350g>

FW50 Rechargeable battery pack

NP-FW50

\$79.99

<https://electronics.sony.com/imaging/imaging-accessories/imaging-compact-camera-accessories/p/npfw50>

Think Tank 700061 Skin Changer Pop Down V3.0

SKU#: 700061

Internal Dimensions: 7.5" W x 8.2–11.8" H x 4" D

Weight: 0.6 lb

\$55.75 at Amazon

<https://www.thinktankphoto.com/collections/skin-pouches/products/skin-changer-pop-down-v3-0>

Think Tank 710866 Digital Holster 20 V2.0DIGITAL HOLSTER® 20 V2.0

SKU#: 710866

Interior Dimensions: 7.3" W x 8–11.5" H x 5" D

Weight: 1.1 lbs

\$69.75

<https://www.thinktankphoto.com/collections/shoulder-bags-digital-holsters/products/digital-holster-20-v2>

Think Tank Photo Modular Collection

<https://www.thinktankphoto.com/pages/belt-systems>

Peak Design Leash Camera Strap (L-BL-3)

\$39.95

<https://www.peakdesign.com/collections/straps/products/leash>

MIJIU Nylon Belts for Men 1.5inch Military Tactical Belt Adjustable Slide Plastic Buckle Web Canvas Belt Outdoor

\$6.99 at Amazon

https://www.amazon.com/gp/product/B07X74Z7CF/ref=ppx_yo_dt_b_asin_title_o00_s00?ie=UTF8&psc=1

Stanley Classic Flask 8oz with Never-Lose Cap, Wide Mouth Stainless Steel Hip Flask for Easy Filling & Pouring, Insulated BPA-Free Leak-Proof Flask

\$25.00 at Amazon

https://www.amazon.com/dp/B07Q1DSTDJ/?coliid=I11MOETXNQMLG4&colid=3M51I9ZSWOVWR&psc=1&ref_=lv_ov_lig_dp_it

Coleman Rain Poncho | Adult Waterproof Poncho, One Size, Blue

\$9.70 at Amazon

https://www.amazon.com/gp/product/B003X009KK/ref=ppx_yo_dt_b_search_asin_title?ie=UTF8&psc=1