

## PXW-Z450

4K 2/3-type CMOS sensor weight-balanced advanced shoulder camcorder with variety of network functions and low power consumption



### Overview

#### World's first 4K shoulder camcorder

The PXW-Z450 is an advanced 4K shoulder camcorder that records 4K QFHD (3840x2160) at 50p/59.94p, as well as a variety of HD formats including XAVC Intra, XAVC Long GOP, MPEG HD 422 and MPEG HD 420. Thanks to a specially-developed 4K 2/3-type Exmor R CMOS sensor, the PXW-Z450 is ideal for a wide variety of 4K operations, allowing you to use a wide range of commercially-available B4 mount lenses without having to use an adapter. The camcorder offers the same advanced features as the PXW-X400 Full HD camcorder, with exceptional weight balance and low power consumption, alongside excellent networking features such as built-in wireless module, embedded RJ-45 Ethernet 100B-T connector and Near Field Communication (NFC) function for easy Wireless LAN setup and operation via a mobile or tablet with Sony's Content Browser Mobile™ application.

- **Shooting in 4K and HD**

The PXW-Z450 supports a wide variety of formats including 4K QFHD and HD XAVC Intra and XAVC Long GOP at 50p/59.94p.

- **Versatile B4 ENG Lens Options**

Thanks to a versatile 2/3-type native sensor and B4 lens mount, this camcorder allows you to install a variety of B4 ENG lenses including either 4K or HD. This flexible lens options supports your variety of shooting applications while saving the cost.

- **Low power and ergonomic design**

Designed to minimise power consumption, this camcorder's lighter lens grip reduces front weight and helps reduce the load on the right-arm.

- **Excellent network connectivity**

Connectivity features include built-in wireless module, RJ-45 Ethernet 100B-T connection and NFC function for easy Wireless LAN set-up.

## Features

- **High quality recordings in 4K QFHD and HD**

The PXW-Z450 supports a variety of 4K and HD formats, including 4K QFHD (3840x2160) at 50p/59.94p, using the XAVC Intra and XAVC Long GOP, MPEG HD 422 and MPEG HD 420 workflow standards.

- **High sensitivity image making**

The camcorder's specially-developed 4K 2/3-type Exmor R CMOS sensor provides superb image quality and high sensitivity. The sensor matches B4 mount lens systems, allowing you to use commercially-available B4 4K/HD lens systems without the need to use an adapter.

- **Discover Optimized Weight Balance**

PXW-Z450 is the world-first\* 4K shoulder-mount camcorder and it inherits design concept of the PXW-X400 XDCAM camcorder with a favorable reception. Thanks to its ergonomic design, the PXW-Z450 camcorder achieves optimized weight balance to lessen the weight on the lens grip and stable image shooting.

\*As of April, 2016, based on Sony's research.

- **Supports QHD LCD and Full HD OLED viewfinders**

The camcorder supports a variety of Sony's viewfinders, including the Full HD OLED HDVF-EL30 and HDVF-EL20. The OLED viewfinders take an advantage of focusing the 4K shooting.

- **Embedded RJ-45 connector**

An embedded RJ-45 Ethernet 100B-T connector on the right side of the camcorder provides a robust and fast network connection that can be used for file transfer, live streaming and camera control from a web browser.

- **One-touch wireless LAN connection**

A Near Field Communication (NFC) function allows easy, one-touch wireless LAN connection to a smartphone or tablet device without manual setting of the network parameters.

- **Built-in wireless module with Content Browser Mobile™**

The camcorder's built-in wireless module gives you more mobility with no cable needed, enabling proxy recording and file transfer or live streaming. In file transfer mode, high-resolution files and XAVC Proxy files can be transferred over wireless connection to cloud or FTP server thanks to Content Browser Mobile\* (CBM) application. In Push mode, the CBM application enables users to monitor the currently shot video and to wirelessly control camcorder settings such as focus, zoom, iris, white balance, REC START/STOP, and more. With Content Browser Mobile V2.0 proxy trim, proxy partial clip upload, and logging are available. High quality live streaming is provided by the advanced Sony QoS technology embedded in the camcorder and in the PWS-100RX1 network RX station. Non QoS live streaming is also possible with a third-party receiver or VLC player.

\*The CBM application can be downloaded from the Google Play Store or App Store.

- **Easy network connection**

A dedicated button gives simple on-off control of Network Client Mode, Auto Upload (Proxy) and Live Streaming.

- **Records a second camera's feed via SDI**

An SD or HD-SDI (up to 1.5G) signal can be recorded by the camcorder, a useful function to record an external feed from another camera.

- **Lower power consumption**

By optimising the design of the hardware, the lightweight camcorder has a low power consumption. This enables continuous recording operation for long hours of filming.