PXW-X70

1.0 type Exmor R™ CMOS sensor compact XDCAM camcorder with 12x zoom lens recording XAVC, AVCHD and DV

Overview

Ultimate palm-sized camcorder with XAVC 4K (QFHD)* and MPEG HD**

The popular PXW-X70 palm-sized camcorder continues to evolve with the addition of XAVC 4K (QFHD) 100Mbps* recordings at 30p/25p/24p, plus MPEG HD422 and MPEG HD420**, providing even more recording choices. It is possible to select an output from HDMI, SDI, and composite while recording QFHD, plus a salvage function for XAVC file is available***. The camcorder also records XAVC HD, AVCHD and DV with advanced network functions such as QoS Streaming in Network Client Mode and Ustream® direct streaming added via firmware version 3.0. The PXW-X70 gives users the ultimate balance between picture quality, advanced functionality and compact size.

* XAVC 4K (QFHD) 100Mbps recording requires Version 3.0 firmware plus optional CBKZ-X70FX software key.
**MPEG HD recording requires Version 3.0 firmware plus optional CBKZ-SLMP upgrade.
*** Requires Version 3.0 firmware or higher.

Network functions including Ustream and QoS Streaming*

The PXW-X70 is packed with all the latest network functions, from QoS Streaming for high quality of transmission when streaming to the PWS-100RX1 in Network Client Mode, to direct streaming using Ustream, with no need for a separate PC setup when using version 3.0 or higher firmware. The camcorder also provides Wi-Fi/NFC (Near Field Communication) with Content Browser Mobile™ software.

* Requires Version 3.0 firmware or higher.

1.0 type Exmor R CMOS Sensor for stunning picture quality

High sensitivity and fantastic resolution with 14.2 million effective pixels delivers striking detail and colours, even in low light conditions.

Carl Zeiss Vario Sonnar T* lens

The lens offers a 12x optical zoom, which can be increased to 24x with Clear Image Zoom while retaining full resolution thanks to Super Resolution Technology. Zoom performance can be doubled at any point with a Digital Extender by up to 48x.

Compact, lightweight XDCAM camcorder packed with adaptable professional functions

The PXW-X70 weighs less than 1.4kg, including the XLR handle unit, battery (NP-FV70), lens hood and large eye-cup. It offers professional interfaces such as 3G-SDI and HDMI output connectors plus an XLR x2 handle unit with zoom lever. Other professional features include a manual lens ring that can intuitively control zoom and focus, ergonomic palm grip with large zoom lever, two SD memory card slots for backup, simultaneous and relay recording, and a three-level switchable ND filter.

Features

1.0 type Exmor R CMOS sensor for a wide range of shooting conditions

The PXW-X70 incorporates a 1.0 type Exmor R CMOS sensor, which is approximately the same size as a Super 16mm film frame, to achieve high resolution, high sensitivity, low noise, and wide dynamic range. The sensor has 14.2 million effective pixels enhancing shooting under severe lighting conditions and providing more freedom of creative expression.

Compact body

The palm-sized PXW-X70 is ergonomically designed to provide a lightweight and easy-to-use experience.

Direct streaming via Ustream*

The PXW-X70 is capable of direct streaming in real time using Ustream®. Ideal for small events that do not require multi-camera switcher operation, it is possible to share scenes as they happen with high quality picture and sound. Two resolution modes are available: 1280x720 (29.97p, 25p, 23.98p) or 640x360 (29.97p, 25p, 23.98p).

High sensitivity and high resolutior

The PXW-X70 has higher resolution than a camcorder in its price range. The 1.0 sensc brighter and offers more bokeh with a sha depth of field than 1/3-inch or 1/4.7-inch s

Advanced BIONZ X image processir engine

An evolved BIONZ engine achieves more l images, and enables the addition of new that take advantage of faster processing.

QoS Streaming*

This feature allows images to be streamec from the camcorder for viewing at a remo location. Data transfer rate, specified by tw quality menu settings (1280x720p and 64(can be selected to suit the network enviro being used. HD recording on internal med available at XAVC HD 422/10-bit, AVCHD a MPEG HD*. There is no need for separate l up, everything can be set on the camcord menu.

[illegible]

[illegible]

*Requires Version 3.0 or higher firmware with all smartphones and tablet computers.

**It requires Version 3.0 or higher firmware plus optional CBKZ-X70FX upgrade.

[illegible]

** MPEG HD recording requires Version 3.0 or higher firmware plus optional CBKZ-SLMP upgrade.