# Differences of FX9 and FX6





## **FX9 vs FX6: Main Target User Applications**

FX9

is a product brand related to professional video equipment and workflow used by broadcast stations.

**Broadcaster Workflow (XDCAM)** 



B4- Mount Adapter

Mpeg HD422/interlace

12G-SDI 1x, 3G-SDI 1x

**XDCA for Audio Slot-in** 

\*S16 Crop Mode / B4 Mount

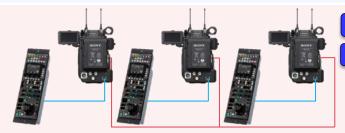
# **Documentary Production Drama Production**

- → 6K oversampling gives high quality 4k images
- → S35 4k crop Mode for S35 Lens usages (e.g. PL lenses)
- → Canon CN7x17 at 5K Crop has no vignetting

S35 4k Crop Mode



Multi Camera **Productions** 



Genlock in/out

\*S700PTP Remote Protocol

**Wireless Workflow** 



xDCAM air

ftp / QoS / Xair / VP

Dual LTE, LTE+Wifi same time

FX6



Owner Operator
Content Creation
Broad Variety of Productions

12G-SDI 1x / 16 bit Ext RAW

**QFHD 120P** 

ISO 800/12800 / 320-409.600

**AF during HFR** 







## **Comparison FX9 vs FX6**

	<b>FX9</b> v2.0	FX6
Price	11,000 €	5,500 €
Sensor	Exmor R FF 6K	Exmor R FF 4K
ISO	Dual Base / ISO 320 – 102.400	ISO 800/12800 / 320-409.600
ND Filter	Variable ND	Variable ND
AF during HFR	N/A	available
Pic. Cache Recording	up to 28 sec.	N/A
AF (Contrast/Phase detection)	Face Detection/ EyeAF/Hybrid AF	Face Detection/ EyeAF/Hybrid AF
FF 4K/QFHD	4k 60p*	QFHD 120p
S35 4K/QFHD	4K/QFHD 60P	S35 FHD only
HFR	FF FHD 180fps S35 FHD 120fps	FHD 240fps
Recording Formats	Mpeg HD422	N/A
S-Log Workflow	S-Log 3 / S-Gamut3.Cine	S-Log 3 / S-Gamut3.Cine
RAW	16 bit Ext RAW w/ XDCA	16 bit Ext RAW
Proxy Recording	YES	YES
Wireless WF	ftp / QoS / Xair / VP	ftp only
SDI I/F	12G-SDI 1x, 3G-SDI 1x	12G-SDI 1x
Other I/F	TC in/out , Genlock in/out	TC in/out

FX9 and FX6





#### 1. Matches S-Cinetone, HLG & S-Log Workflow

Both models support S-Cinetone and HLG in Custom Mode and S-Log3 with S-Gammut3. Cine including Proxy Recording in Cine-El Mode

#### 2. For each shooting style both have its ergonomics

FX9 is a shoulder type for stable shootings, supports Broadcaster Workflow with Mpeg codec and wireless capabilities such as QoS streaming and connection to XDCAM Air, Virtual Production.

- -> Smooth panning as the FX9 is on the shoulder
- -> thanks to the shoulder design it does not stress the arms too much for long shooting times
- -> with future V3 it will support S700PTP Remote Protocol for multi cam productions
- -> with future V3 it will have S16 crop mode and B4 mount capability with LA-EB1

FX6 is compact and can be used for special situations such as a drone, gimbal, in difficult light environments, and adds lots of possibilities thanks to its technical features.

- -> Thanks to the high sensitivity ideal for total dark scenes
- -> AF during HFR offers enhanced possibilies of shooting while moving, such as following close ups of faces or during sports (e.g. skateboarding, etc.)
- -> Clear Image Zoom for extending the optical zoom end

available

difference

# **FX9 Benefit Summary**

#### **SCAN Mode**

4K Super35 for PL/EF mount for Cine 2K Super 16\* for B4 mount for BC

More lens flexibility, for more production types

## Picture Cache Rec

Up to 28sec

for breaking news or animal documentary

## **6K down-converting 4K Image Quality**

**Better Colour and Resolution** Anamorphic capability with ATOMOS

### No Cropping in DCI 4K

Can use full image circle of FF lenses up to 30fps

#### **MPEG and Interlace Rec**

Matching to Broadcasting workflow

#### **Dual Base ISO**

Signal to Noise Ratio is same between both Base ISO

#### Viewfinder tube included

This is a must for any camera

#### **Headphone Level**

Direct Headphone Level Adjustment

**Gen Lock** 

for "Live"

This is a must

## **Lever Lock Mount**

Stable and giving relief

## 4ch audio dial

Direct access and easy to adjust

Camera Location can be displayed in XDCAM Air **GPS** and can be recorded to metadata.

## **XDCA Capability**

Slot-in Audio Ref-Out V-Mount Battery 4-pin DC-in D-Tap

Wired-LAN TC-Out

2x USB-A connectors for Dual LTE capability with LTE-Dongles

#### Wifi+LTE at same time

thanks to two independent wireless modules each one in body and XDCA

### **XDCAM Air**

- Camera Control capability
- Stable high quality live streaming via OoS
- Auto File transfer to ftp server

## **RCP** capability\*

- RCP controller will be supported

\* V3 future Upgrade, release in 2021