

Differences of FX9 and FX6



FX9 vs FX6: Main Target User Applications

FX9



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

Broadcaster Workflow (XDCAM)



S16 Crop Mode



LA-EB1
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



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



* V3 future Upgrade, release in 2021

Comparison FX9 vs FX6

FX9 and FX6



	FX9 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

* FF/5K mode only support for 60p/50p (1.2x cropping)

available

difference

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

Both models support S-Cinetone and HLG in Custom Mode and S-Log3 with S-Gamut3.Cine including Proxy Recording in Cine-EI 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 possibilities 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

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

This is a must
for "Live"

GPS

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

XDCA Capability

Slot-in Audio	Ref-Out
V-Mount Battery	4-pin DC-in
D-Tap	2x USB-A connectors
Wired-LAN	for Dual LTE capability
TC-Out	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 QoS
- Auto File transfer to ftp server

RCP capability*

- RCP controller will be supported

4ch audio dial

Direct access and easy to adjust

Lever Lock Mount

Stable and giving relief



* V3 future Upgrade, release in 2021