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

Camera — Streams / Files → 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

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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-Gammut3.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

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FX9 Benefit Summary

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

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

Viewfinder tube included

This is a must for any camera

Gen Lock

This is a must for "Live"

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

Picture Cache Rec
Up to 28sec

for breaking news or animal documentary

Headphone Level

Direct Headphone Level Adjustment

Wifi+LTE at same time

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

6K down-converting 4K Image Quality

Better Colour and Resolution
Anamorphic capability with ATOMOS

XDCAM Air

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

No Cropping in DCI 4K

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

MPEG and Interlace Rec

Matching to Broadcasting workflow

RCP capability*

- RCP controller will be supported

Dual Base ISO

Signal to Noise Ratio is same between both Base ISO

Lever Lock Mount

Stable and giving relief

4ch audio dial

Direct access and easy to adjust

* V3 future Upgrade, release in 2021

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