

SONY

NEX-EA50M

Product Presentation
October 2014

FOCUS

1 PEAKING HISTOGRAM DETECTION
2
3 FACE
4 ZEBRA MARKER LAST SCENE
5
6

INPUT1
INT MIC
AUTO
INPUT2
INT MIC
AUTO

NXCAM

AVCHD Progressive MPEG

NEX-EA50M: Summary

1. Legacy
2. Target market
3. Product overview
4. Differences with NEX-EA50EH
5. New lens: SELP18105G
6. Sensor
7. E-mount
8. Codec and media
9. Ergonomics
10. Bundled accessories
11. Sony Large Format Sensor Professional Lineup
12. NEX Professional Range

A bit of history

After listening market feedback, a professional handy and shoulder equivalent model to NEX-VG20 was demanded.

In August 2012, a new camcorder, NEX-EA50EH was announced, and started its distribution in October 2012.

The lens that was included in the kit was SELP18200, a 17 times power zoom with E-mount that was for the first time included in a Professional model.

Two years later, with no significant modifications, Sony announces its successor, NEX-EA50M, in which that SELP18200 lens has been replaced by SELP18105G, a 18-105 power zoom lens with constant F4 aperture.



NEX-EA50M: Target market

Event videographer

From weddings or corporate events to live music or bigger shows

Large dynamic range makes it easier to work in adverse light conditions

DSLR shooters

Less bulky equipment, no need to spend budget in accessories to transform DSLR

Film school / Education

Full camcorder with traditional sensor size, as well as for photo applications

Affordable filming

Good behaviour in low light: no additional lighting

Super35 mm – looking picture due to its large sensor

B or C camera to Super35 mm

For NEX-FS100/FS700 or FS7 (shoulder camcorder)

NEX-EA50M: Product Overview

Handy/Shoulder camcorder

Fully equipped autonomous video camcorder; opposite to a VDSLR

APS-C 16 Mpx sensor

Same size as Super35: cinematographic-looking picture

E-mount

Virtually ANY lens can be attached to the camera, with no significant extra cost

1080/50p

Maximum picture quality on an AVCHD 2.0 codec, up to 28 Mbps

Professional Audio

LPCM recording, built-in and professional ECM microphone, XLR connections

Multi-Interface Shoe

No external cables with UWP-D receptors, HVL-LBPC LED torch or XLR boxes

NEX-EA50M: Differences with NEX-EA50EH

Internally and externally, both are EXACTLY the same model

The only difference is the new lens: SELP18105G instead of SELP18200



NEX-EA50EH



NEX-EA50M

New lens: SELP18105G

SELP18105G, despite being shorter zoom (6x: 18-105mm, 27-158mm 35mm equivalent), is **constant f/4**, so no need to operate iris to compensate light (which also modifies depth of field)

Quicker and quieter zoom than SELP18200

Autofocus, AutoIris, OSS stabilization

7-blade circular aperture instead of “polygonal” for better “bokeh” (DoF) effect

Filter diameter: 72mm. ND filters are recommended, as EA50 doesn't have them built-in



SELP18200



SELP18105G.AE

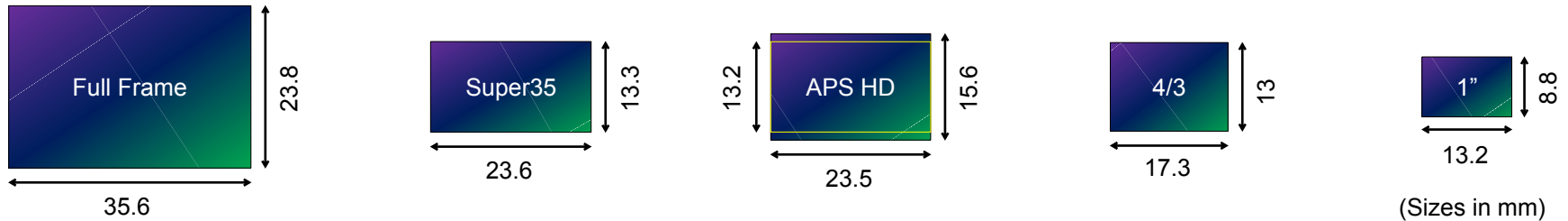
Further info: <http://www.sony.co.uk/electronics/camera-lenses/selp18105g>

NEX-EA50M: Sensor

APS HD CMOS Sensor

Equivalent dimensions (in video mode) as Super35 mm: cinematographic-looking picture

16 Mpx sensor: great quality still images, quick readout for video, big pixel size for sensitivity



Low noise and high sensitivity; proper for low-light conditions with no additional lighting

Fully hosted by E-mount



NEX-EA50M: E-mount

Flange distance (sensor to top of the mount) is just 18mm, allowing any lens system to be “built” before the sensor, via adaptor

More than 35 lens systems (including Sony Alpha, Canon EF, traditional cinema PL...)

More than 180 lens adaptors from third parties:

metabones



mtf



N
NOVOFLEX



Voigtlander



CCP
CONZE



Zunow
Conversion Lenses

Fotasy

FOTGA

Bokkeh.com

BIRGER
engineering

KIPON

FotGiox™
F O T O D I O X

RAYQUAL

CINEVATE

BORG
oasis studio

NEX-EA50M: Codec and media

HD: AVCHD 2.0 (up to 28 Mbps), 1080/50p, over SD or MS cards

MPEG-4 AVC/H.264

SD: MPEG-2 PS

Audio: Linear PCM or Dolby Digital, 2 ch, 16-bit

Recording media:

Memory Stick Pro Duo Mark2, Pro-HG Duo, Pro-XC Duo

SD/SDHC/SDXC Class 4 and higher

Flash Memory Unit (HXR-FMU128): 128 GB, directly mountable on right side of chassis



NEX-EA50M: Ergonomics

Most of the weight is located on the bottom rear part of the camcorder, so that center of gravity lays on the shoulder as much as possible

2x 1/4" screw holes are located in the upper part of the shoulder pad, for counterweights or any other accessory (e.g. external recorder)



Long and slim body, so that forearm doesn't need to strongly balance, and it's not stretched
Shoulder pad can be folded for handy usage:



NEX-EA50M: bundled accessories



Large Format Sensor Professional Lineup

8 models in Sony Professional Catalogue:



Alpha A7s
Full Frame 12 Mpx



NEX-EA50M
APS HD 16 Mpx



NEX-FS100
Super35 Full HD



NEX-FS700
Super35 4K



PXW-FS7
Super35 4K



PMW-F5
Super35 4K

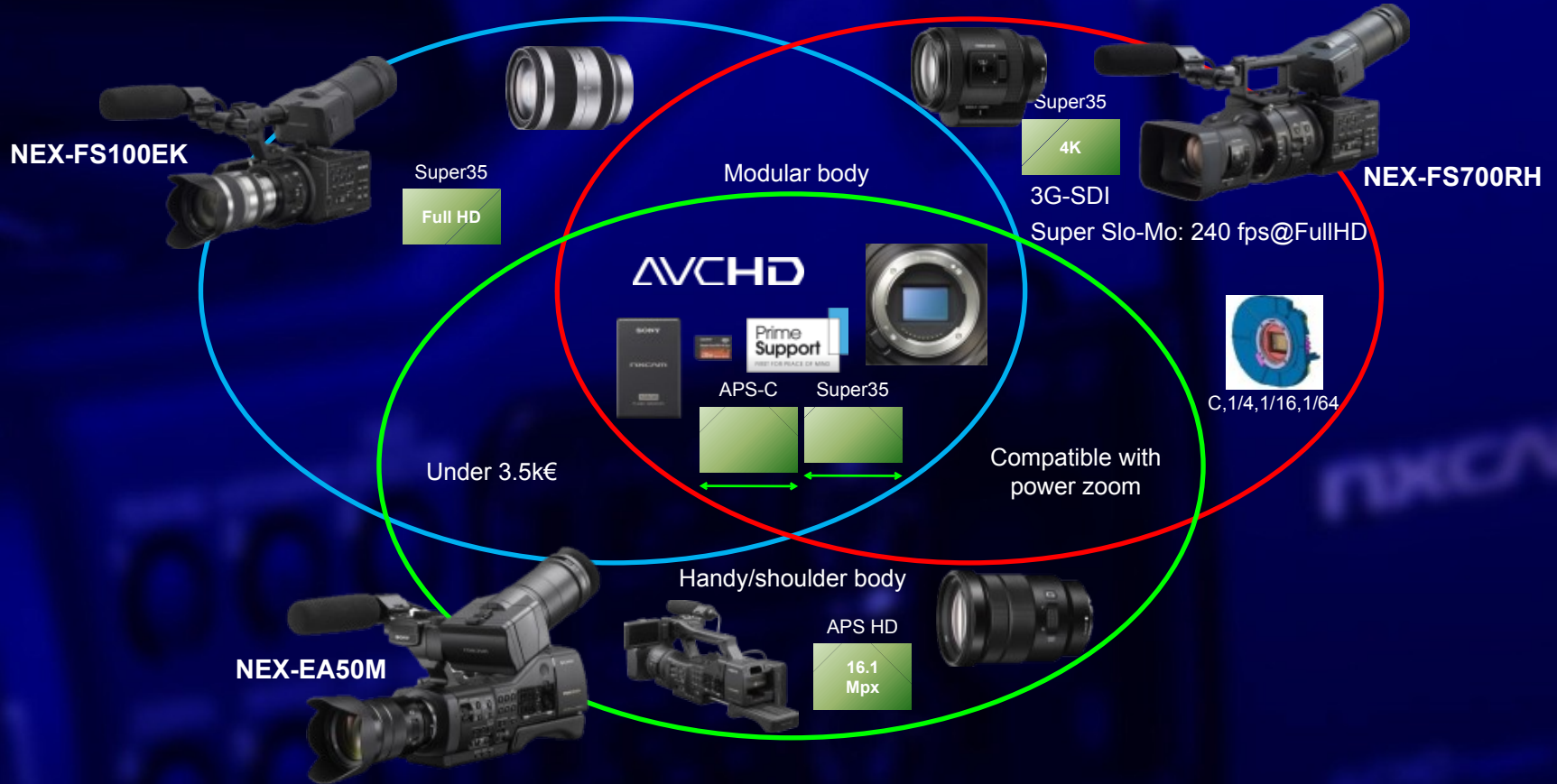


PMW-F55
Super35 4K



F65
Super35 8K

NEX Professional Range: EA50, FS100 and FS700



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Thank you

FOCUS

1 PEAKING HISTOGRAM DETECTION
2
3
4 ZEBRA MARKER LAST SCENE
5
6

INPUT1 INT MIC AUTO
INPUT2 INT MIC AUTO

FXCAM

AVCHD Progressive MPEG