



## F65

Super 35mm 8K CMOS sensor SRMASTER camera



## F65



The F65 CineAlta camera is the ultimate expression of the digital cinematographer's art. Optimised for motion picture and TV production, the flagship F65 captures uncompromising images with truly breathtaking colour, depth and detail.

Where to buy

Export PDF

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Shot with the F65



You'll discover even more emotion, more detail, more colour and wider dynamics in every frame.

That's why the F65 is the choice of leading directors and cinematographers worldwide.

Discover the spectacular range of movies and TV shot on the F65 >

A camera without compromise



The F65 draws viewers deeper into your story, capturing images with unprecedented fidelity, colour and dynamic range that's delivered all the way into post production. With the F65 you'll see – and keep – a more accurate picture of reality that conventional cameras just can't achieve.

[Read more >](#)

Incredible images from Full HD to 8K



It's the secret of unparalleled emotion and story-telling power. With a resolution of 20 megapixels, the Super 35mm 8K CMOS sensor inside the F65 delivers unprecedented 8K/4K/QFHD/2K/HD images with extremely fine texture and low aliasing. Even if you're post producing for delivery in 2K/HD, this extraordinary sensor provides gorgeous super-sampled images beyond the reach of ordinary HD cameras.

Relied on by the world's great image makers



The F65 CineAlta camera conveys the widest colour range with Sony's S-Gamut, the highest recording precision with 16-bit linear RAW, and the strictest geometric integrity with a mechanical rotary shutter – all with the stunning detail of a 20 megapixel image sensor. No wonder the F65 has captured the hearts and minds of leading directors and DPs worldwide, realising truly astonishing moving images. Building on an exceptional track record in movies, commercials, music videos and episodic TV, the F65 is also a powerful 4K live production tool, offering S-Log3 greyscale encoding, high speed RAW recording up to 120 fps and 12-bit 4:4:4 High Definition.

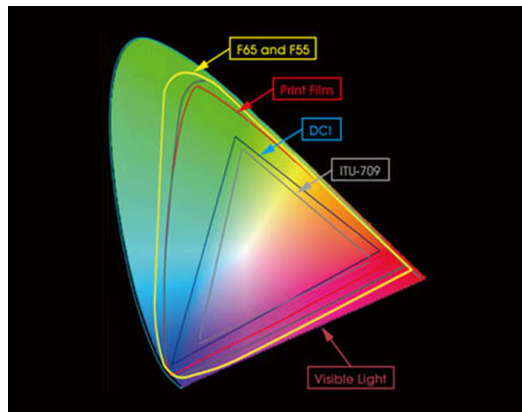
*Photo: Director/Producer: Ashutosh Gowariker*

Vittorio Storaro:  
Three-time  
Academy Award-  
winning  
cinematographer

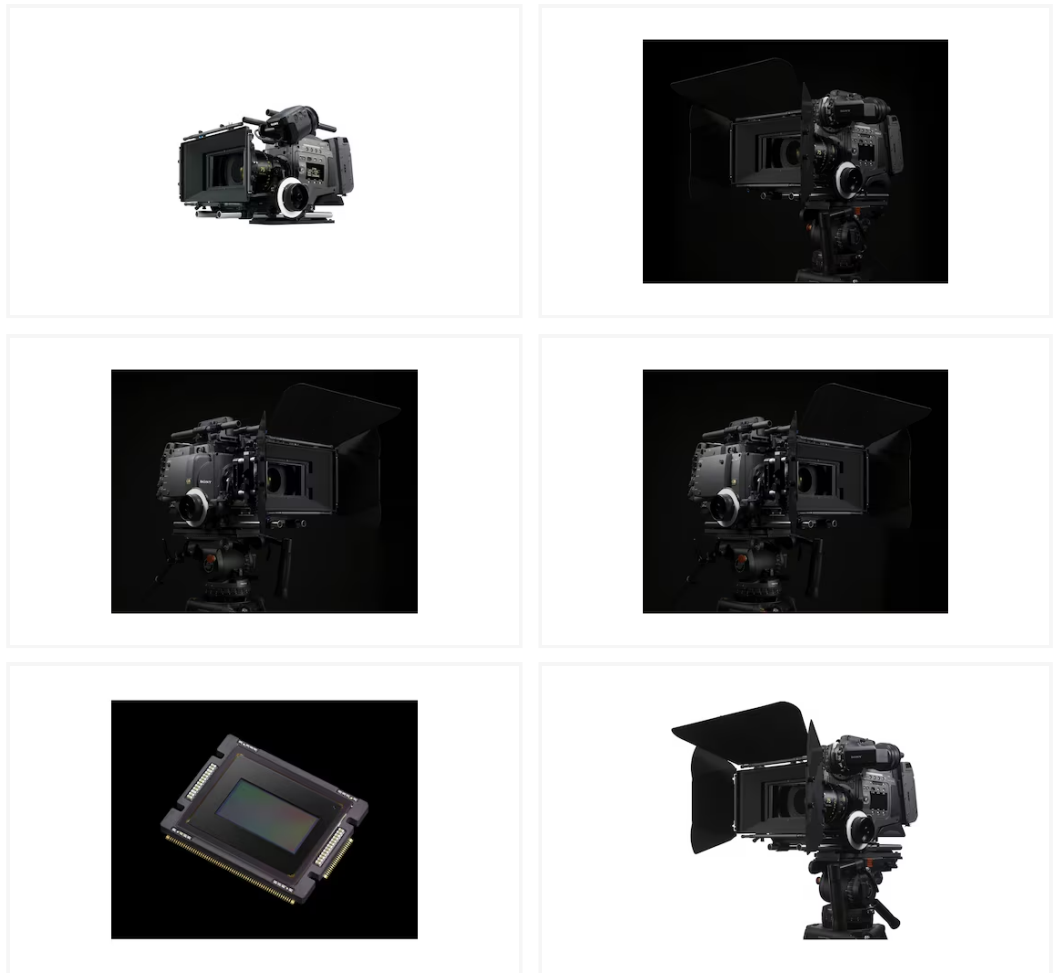


"...when Woody called me this year asking me to be the cinematographer of his new film... I convinced him to record the film in digital, so we can begin our journey together in the digital world. It's now time for the Sony F65!"

Go far beyond  
ordinary colour



Thanks to advanced dyes in the image colour filter array of the 20 megapixel Super 35mm CMOS sensor, Sony's S-Gamut reproduces reds and greens that are literally beyond the reach of other cameras. Then we preserve every last nuance of colour with phenomenal 16-bit linear RAW recording. This encodes over 65,000 discrete shades of red, plus 65,000 blues and 65,000 greens, for more than 275,000,000,000,000 possible colours. When your next project demands the ultimate in colour fidelity, the F65 exactly matches your vision.



Every instant's clear  
at 120 frames per  
second



The F65 captures up to 60 fps at full resolution and up to 120 fps at 4K resolution. 5x super slow motion playback achieves jaw-dropping slow motion effects – from nail-biting sports and stunts to nature in delicious detail. Slow & Quick (S&Q) motion lets you to alter the narrative by speeding up or slowing down the action, choosing frame rates from 1 to 120 fps in 1 fps increments. In all modes, you'll get mesmerising high-speed shots without any windowing, crop factor or change of effective focal length.

[Download the brochure >](#)

## 16-bit RAW, the ultimate archive



RAW recording captures the full potential of the image sensor. The RAW file retains maximum resolution. Sixteen-bit linear recording equates to 65,536 shades of tonal gradation per channel, preserving the maximum in grayscale accuracy and dynamic range. The RAW image file reflects a minimum of in-camera processing and it doesn't bake in any colour matrix, detail, knee, white clip or saturation adjustments. RAW maintains all the potential of the latent image, allowing its beauty to be revealed in post production. What's more, RAW recording preserves the integrity of your precious camera masters for archive, keeping images as vivid as the moment they were captured.

## Latitude for greater expression



With 14+ stops of exposure latitude, the F65 delivers an impressively fat negative. Colourists are astounded by the way the camera sees into the shadows, while still letting you dig out sparkling highlight detail. And now you can preserve that astonishing latitude in post. If you're shooting HD, the S-Log3/S-Gamut3.Cine mode packs maximum dynamic range into your HD signal, retaining the utmost flexibility in post. And if you're shooting RAW, the S-Log3/S-Gamut3.Cine LUT is an excellent starting point for colour correction. With the F65 you'll spend less time getting into the ballpark, leaving more time for finely-tuned creative expression.

*Photo: Writer/director Luc Besson. Credit: Jessica Forde © Universal Pictures.*



ACES is a free, open, device-independent colour management and image interchange system that can be applied to almost any current or future workflow. It was developed by hundreds of the industry's top scientists, engineers and end users, working together under the auspices of the Academy of Motion Picture Arts and Sciences. Sony is committed to supporting ACES-based workflows in the highest quality possible.

[Find out more >](#)

## Higher emotions

High Dynamic Range (HDR) takes viewers' engagement to the next level with brighter highlights, deeper blacks and richer colours. You're all ready to shoot in HDR with the F65 – opening up exciting new creative possibilities for audiences to enjoy, today and tomorrow.

[Read more >](#)

## Amma Asante: Bafta Award-winning director of Belle



"I'd be really, really happy to shoot my next film on the F65 and probably will – in fact, definitely will."

## Specifications

### General

Power Requirements	DC 10.5 V to 17 V
Power Consumption	Approx. 65 W (Mechanical rotary shutter operating.) (without lens, viewfinder, at 23.98PsF mode)
Operating Temperature	0°C to 40°C 32°F to 104°F
Storage Temperature	-20°C to +60°C -4°F to +140°F
Mass	5.0 kg (6.5 kg with accessories) 11 lb (14 lb 5 oz with accessories)

## Camera Section

Pickup Device	1-chip Super 35 mm type CMOS
Aspect Ratio	17:9
Built-in Filters	Clear, ND0.9 (1/8ND), ND1.2 (1/16ND), ND1.5 (1/32ND), ND1.8 (1/64ND)
Lens Mount	ø54 mm PL mount
Flange Focal Length	52.00 mm (+/-0.04 mm adjustable in 0.01 mm increments by shim replacement)
Latitude	14-stop
Registration	Within 0.02% (all zones, without lens)
Distortion	Below measureable level (without lens)

## Input/Output

DC Input	Lemo 8-pin (male) (x1), DC 10.5 V to 17 V, DC 20 V to 30 V
DC Output	DC 12 V: 11-pin (x1), max. 4 A DC 24 V: 3-pin (x1), max. 4 A
Viewfinder	20-pin (x1)
Lens	12-pin (x1)
SDI Output	BNC (x2), HD-SDI (4:2:2)
HD-Y Output	BNC (x1), 75 Ω, 1.0 Vp-p
Genlock Input	BNC (x1), 75 Ω, HD 3-level sync, 0.6 Vp-p
Remote	8-pin (x1)
External Input/Output	Lemo 5-pin (female) (x1)
Ethernet	RJ-45 type (x1), 10BASE-T/100BASE-TX
Lens Mount Hot Shoe	4-pin (x2), conforming to ARRI LDS (Lens Data System) and Cooke /I Intelligent Electronic Lens System)
USB	Type A, USB2.0 Hi-Speed (x1)
"Memory Stick" (MS)/SD Memory Card	"Combo-connector (x1) Supports ""Memory Stick Duo"", ""Memory Stick PRO Duo"" Supports SD memory cards, SDHC memory cards up to class 10"

## Supplied Accessories

Supplied Accessories	Belt bracket (1) Cable clamp belt (1) 19mm dia carbon rod (1) +B3 x 5 screws (4) Center handle (1) Viewfinder mounting plate (1) Riser plate (1) Power cable connector (LEMO 8-pin) (1) Operation manual (CD-ROM) (1) Operation guide (1)
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## Product contains pre-installed software

This product contains pre-installed software and requires the purchase of licence keys to activate some functions.

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## Resources and downloads

### Brochures

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[Brochures: F65 \(EN\)](#)  
[CineAlta Catalog 2015](#)

### Knowledge

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[Oblivion shot with Sony F65](#)  
[4K Workflow Guide](#)

Contact us for more information

[Where to buy](#)

## Related products



### PVM-X300

30-inch 4K TRIMASTER™ LCD professional monitor



### ECM-88B

Electret condenser microphone



### DWR-S02D

Digital wireless receiver



### DWA-01D

Digital wireless receiver adaptor



### ECM-678

Shotgun Electret condenser microphone



### ECM-674

Affordable shotgun Electret condenser microphone



### ECM-673

Short Shotgun Electret Condenser Microphone.



### MDR-7510

Studio professional headphones



### MDR-7506

Stereo professional headphones



### Super Resolution De-Mosaicing Processor

Workflow Solution for beyond 4K Production with F65



### BVM-E250A

24.5-inch TRIMASTER EL™ OLED critical reference monitor with wide viewing angle



### BVM-F250A

24.5-inch TRIMASTER EL™ OLED reference monitor with wide viewing angle



### HDVF-EL30

OLED 0.7-inch colour Full HD viewfinder with 3.5-inch sub-LCD



### HDVF-EL20

OLED 0.7-inch colour HD viewfinder



### SZC-4002 / SZC-4002M / SZC-4002W

HFR Upgrade for F65, F55 and HDC-4300



### PVM-X550

55-inch 4K TRIMASTER EL™ OLED high grade picture monitor



### BVM-X300 V2

30-inch 4K TRIMASTER EL™ OLED critical reference monitor

# Accessories



## DVF-EL100

OLED 0.7-inch colour HD digital viewfinder



## DVF-L700

LCD 7-inch colour full HD digital viewfinder



## ECM-678

Shotgun Electret condenser microphone



## SR-512S25

SRMemory Card, 512 GB and 2.5 Gbps guaranteed write speed



## SR-512S55

SRMemory Card, 512 GB capacity and 5.5 Gbps guaranteed write speed



## SR-R4

SRMASTER Portable Memory Recorder for F65 Camera



## RM-B170

Affordable handheld remote control unit for Sony studio cameras and camcorders



## ECM-778

Shotgun Electret condenser microphone



## SR-PC4

SRMASTER Data Transfer Unit



## SR-D1

SRMASTER compact memory drive unit



## CBK-WA01

Wi-Fi Adaptor for use with the XMPilot Planning Metadata Solution



## SR-256S15

SRMemory Card, 256 GB capacity and 1.5Gbps guaranteed write speed



## SR-1TS25

SRMemory Card, 1 TB capacity and 2.5 Gbps guaranteed write speed



## SR-256S55

SRMemory Card, 256 GB and 5.5Gbps guaranteed write speed



## SR-1TS55

SRMemory Card, 1 TB capacity and 5.5 Gbps guaranteed write speed



## SCL-PK6/M

CineAlta 4K PL mount lens pack x6 (metric)



## SCL-PK6/F

CineAlta 4K PL mount lens pack x6 (feet)



## PVM-741

7.4-inch TRIMASTER EL OLED monitor with 2x 3G/HD/SD-SDI inputs and smart functions.



## Catalyst Browse

A powerful clip management tool for the latest portfolio of Sony cameras and decks.



## Catalyst Prepare

The fast, simple, reliable path from camera to post.

## F65 Digital Cinema Camera - Super 35mm 8K - Sony Pro

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