Product Information

F65

Super 35mm 8K CMOS sensor

PRELIMINARY INFORMATION

The F65 is a top-end motion picture camera. It features a true step-change in sensor technology, using a 20.4 Mega pixel CMOS sensor and a unique Double Bayer pixel orientation for full green resolution. The F65 runs up to 120Fps, creates HD/2K or genuine 4K resolution (4 times HD) images with a wide colour gamut, excellent dynamic range, and high sensitivity.

A dockable SRMemory recorder attaches to the camera to record directly on to an SRMemory card of 256 GB, 512 GB or 1TB capacity with data security at 5 Gbps.

Features

PRELIMINARY INFORMATION

This is preliminary information prepared for NAB 2011. All features and specifications are subject to change without notice.

Super 35mm CMOS sensor with 20.4 Mega pixels

The F65 features superb image quality in HD/2K and True 4K. A unique Double Bayer pixel orientation with double the number of green pixels to red or blue pixels makes the camera especially sensitive and ideal for visual effects and green screen work. There is a choice of format composition as required, including 1.85:1, 1.78:1, 1.66:1, 1.33:1, 2.35 spherical, 1.3x anamorphic, or 2x anamorphic cropped. The F65 has a wider dynamic range, better S/N ratio and higher sensitivity than the F35 camera. It offers filmic colour reproduction with a wide colour gamut.
Compact and light-weight

Smaller and lighter than the F35, the F65 allows for even easier handling for applications such as Steadicam.

Records on to SRMemory with dockable SR-R4 SRMASTER Portable Recorder

The SR-R4 is a 4K recording system specifically designed for Sony's new top-of-the-line F65 cinematography camera. It takes full advantage of the ultra high-speed SRMemory platform to record super-rich RAW data from the F65 at speeds as fast as 5 Gbps.

SRMemory is unique – nothing can match its combination of capacity, sustained data throughput, security and portability. It opens up completely new ways for end-users to work. With huge transfer speeds up to 5 Gbps, SRMemory media also has massive capacity up to 1TB for long recording times.

Wide range of interfaces for on-set workflow

The F65 provides 16bit RAW output (19Gbps) compressed to 5Gbps for recording onto SRMemory in the dockable SR-R4. Other interfaces include HD-SDI and HD viewfinder output with LUT, camera remote connector, LAN connecter and ARRI Lens IF.

Rotary shutter

The rotary shutter eliminates the rolling-shutter effect common to CMOS sensors.

Built-in ND Filters

Four Neutral Density Filters are built-in.

Render Module

The SR-R4 docks directly to the Sony Render Module, which performs real-time double de-bayering of 16 bit RAW data shot using the F65 camera. Provides signals in 4K: 444/422, 10/12bit, 24P to 60P. It can also produce 2K/HD ultra-high quality output from the down converted 4K original.

Records at up to 120 FPS

The camera features higher frame rate recording up to 120P, which is especially useful on productions such as commercials that require a slow motion effect.

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