ARRI

ARRIFLEX 535B



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With the ARRIFLEX 535 a production camera was introduced that combined highest operating convenience with the wellknown ARRI precision and reliability. The development of this camera system is logically continued with the 535B.

The ARRIFLEX 535B was designed to be a fully compatible companion camera for the 535. With its many features, it is also a full-scale modern production camera in its own right. The camera is compatible with the comprehensive accessory system of the ARRIFLEX 535.

The camera

The ARRIFLEX 535B is characterized by a compact and lightweight design. Of course, reducing its function range to the essentials by no means compromises the optimal image quality and silent operation. The ARRIFLEX 535B is ideal both as a main camera or as a second unit with the advantage of being able to use the complete 535 acessory range.

Viewfinder system

The newly designed, light-weight and modular viewfinder system with an exceptionally bright image is the main feature of the ARRIFLEX 535B. Like with the 535, the new viewfinder can be pivoted in two axis. Viewing from each camera side is possible, with an upright image in all positions.

A newly developed 300 mm finder extender incorporates a magnifier that can be switched in and out without an irritating displacement of the image. A video-tap with an exchangeable beam splitter for the video camera CCD-2 is integrated. An easily interchangeable optional viewfinder provides a de-squeezing function for use with anamorphic lenses. Slide-in masks of the required format provide illuminated format markings in the viewfinder. Eyepiece positioning (left eye/ right eye) is possible with a telescopic extender.

The whole viewfinder system is connected to the camera by a quick-release lock and can be replaced without the need for tools. For Steadicam use, a 100% video-module is available.



Film Transport

In the ARRIFLEX 535B the tried and tested 7-link movement of the 535 with dual registration pin and pull-down claw has been employed. Silent operation and precise image steadiness are guaranteed. Crystal-controlled frame rates are available between 3 and 60 fps. Additionally fixed speeds of 24 – 25 – 29.97 and 30 fps can be selected, both in forward and in reverse.



Mechanically adjustable mirror shutter

In contrast to the 535, the ARRIFLEX 535B´s mirror shutter can only be adjusted mechanically when the camera is switched off. The opening sector is variable from 11 to 180 degree.

Electronic features

Digital frame -rate selection and time code are integrated into the camera as important production features. All essential information, such as frame rate, footage, battery voltage and time code are clearly displayed on the left side of the camera. The available interfaces open the system for external accessories, like the CCU (Camera Control Unit).

New grip system

Another important design aspect of the ARRIFLEX 535B is the ergonomic grip system: The central element is a crossbar which is attached to the camera. This is not only used as a carrying handle, but also accepts further connecting elements.
The camera can be suspended from this grip. Additional handles or special accessories, such as mini-monitors and booster lights may be attached individually in various positions.

For utmost mechanical rigidity, the grip system is located above the camera´s center of gravity and is directly connected to the camera body. If an extremely low camera profile is required, the complete grip system can be removed.

Magazines

The two coaxial magazines of the 535 (400 ft /1000 ft) can be used on the ARRIFLEX 535B as well.

In addition, a completely new 400 ft displacement magazine is available. Its light-weight design makes it ideally suited for Steadicam applications.

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Technical data

Programmable 35 mm mirror reflex universal camera

Film format:	35 mm
Lens mount:	54 mm PL-mount adjustable for filming in super 35 mm format
Flange focal distance:	51.98 - 0.01 mm
Mirror reflex shutter:	mechanically adjustable in camera stand-by 11° to 180° in 15° steps, and 144° / 172.8°
Frame rate:	3 to 60 fps, digital speed selector or continuous control (crystal-accurate) via the RU-1, fixed adjustments of 24/25/29.97/30 fps Frame rate indicator on LCD
Viewfinder displays:	ASY, BAT, END, film end pre-warning, format markings
Contrast filter:	switchable, ND 06
Phase shifter:	integrated in camera, by pressing »PHASE« switch when camera is running
Sensors:	on LCD for: film jam, film end, improper movement position, magazine improperly mounted, rear film guides disengaged. If the camera is not ready for operation, running control lamp illuminates red
Asynchronous display:	on LCD, in the viewfinder and acoustically, control lamp illuminates red
Video assist:	C-mount for ½" CCD-camera
Beam splitter:	exchangeable with ratios of 80/20 % (Standard) and 50/50 %
Time code:	plug-in TC module, for recording SMPTE RP 136 Form C, 80-bit integrated TC generator, TC crystal-accuracy: ±1 ppm (0-50°C)
Magazines:	400 ft/ 1000 ft (120 m/ 300 m) coaxial magazines, 400 ft light-weight magazine
Transport system:	7-link movement with dual pin registration and pull-down claw, for 35 mm negative-film DIN 15 501
Drive system:	crystal-controlled disc-type DC motor
Power requirement:	24 V
Battery type:	NC 24/7R block
Weight:	camera body 7.7 kg 17.0 lbs viewfinder 2.3 kg 5.0 lbs video top 0.8 kg 1.8 lbs 400 ft magazine 4.1 kg 9.0 lbs 400 ft light-weight magazine 2.6 kg 5.8 lbs
Dimensions:	length with 400 ft coaxial mag, without lens 495 mm 19.5" width viewfinder left 300 mm 11.8" viewfinder right 335 mm 13.2" without viewfinder 205 mm 8.1" height with grip 280 mm 11.0" without grip 230 mm 9.0"

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