ARRIFLEX 235



ARRI

MODERN, SMALL AND LIGHTWEIGHT

The ARRIFLEX 235 is a small and lightweight 35 mm MOS film camera designed for handheld and remote applications. It is a great 'C' camera for feature films and commercials to grab unique and spontaneous angles, be that on the operator's shoulder or when used for Steadicams, car rigs, motorcycle rigs, bicycle mounts, underwater applications, crash housings or aerial photography.

By focusing on essential features and employing the most up-to-date design and manufacturing techniques, the 235 is spectacularly lightweight, small and compact. It's body and viewfinder weigh about 3.5kg/7.7 Lbs, half the weight of a 435 body and viewfinder. With a smaller and lighter camera it is possible to work faster, use less rigging and utilize lighter support equipment.

The 235 was developed with economics in mind. Camera body and viewfinder incorporate existing, proven technology, resulting in a price half of the 435. And since it shares a large number of already available accessories with its ARRIFLEX siblings, the 235 is an affordable investment for rental facilities and individuals.

Despite its compact size, the 235 is a thoroughly modern motion picture camera, equipped with all the features cinematographers, producers and crews have come to expect. Super 35, a 3 perforation option, speed ramps and a high quality video assist save time and provide more creative options.

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LENS CONTROL SYSTEM
ARRIFLEX 235
ARRI

FEATURES

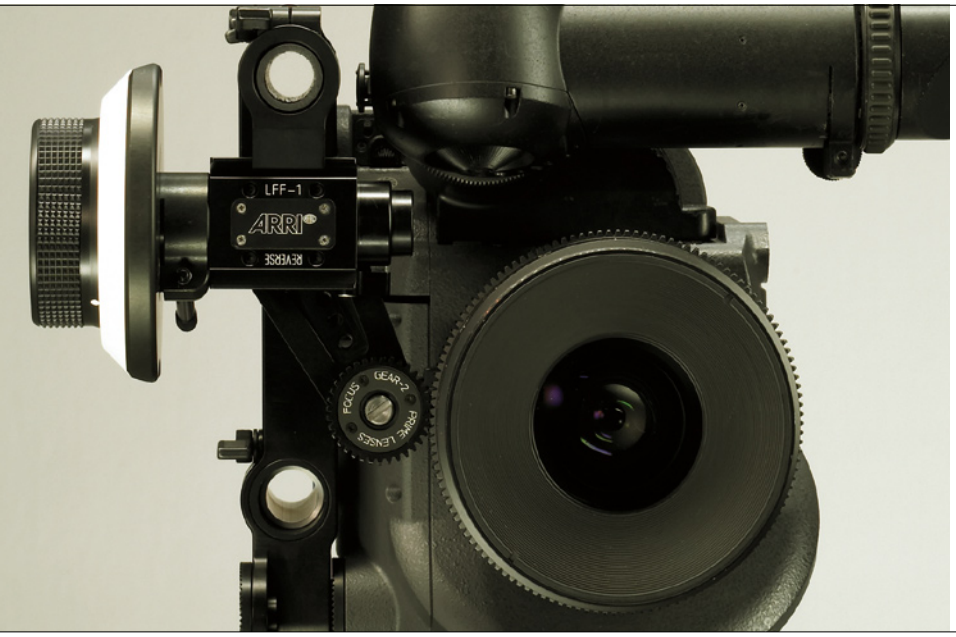
A bright and ergonomic optical viewfinder can be freely rotated and extended just like the ARRICAM or 435 viewfinders, allowing for comfortable viewing in any camera position. The viewfinder is available in either a spherical or universal version, which can be switched between spherical and anamorphic viewing. The 235 viewfinder is accompanied by a video assist that has the same image quality and features as the highly praised ARRICAM and 435 video assists. Through a new and unique optical design, the 235 viewfinder and video assist are independent of each other, making a switch from handheld to Steadicam very fast and eliminating the need for a 100% video top.

Since the 235 works with the existing 60m/200' and 120m/400' 435 style magazines, it can easily share magazines with the 435 or 35-3. For handheld use, two well balanced and lightweight new magazines have been designed: a 60m/200' and a 120m/400' shoulder magazine. For Steadicam use, a special 235 120m/400' Steadicam magazine is available.

Working with the 235 is comfortable and easy; many tried and trusted elements from other ARRI cameras have been incorporated so there is almost no learning curve. The 235 control panel, video assist settings and threading method closely resemble their counterparts on the 435.

Rental houses and crews can continue to work with the already familiar inventory of equipment. The 235 is compatible with the vast majority of 35 mm production gear, including all 35 mm format PL mount lenses, the ARRI Remote Control Unit (RCU), Wireless Remote Control (WRC), Universal Motor Controller (UMC-3), Iris Control Unit (ICU), Electronic Synchronization Unit (ESU) and the ARRI Wireless Remote System (WRS). To further increase the 235's compatibility, it uses the full range of 435 ground glasses.

Since the 235 has been designed in close collaboration with prominent industry professionals, it offers many new features and clever details to make life easier on the set and in rental. These include extra attachment points for rigging, operating buttons with an adjustable backlight and the fixed gap technology in the film gate for utter simplicity in maintenance. And to top it all, a number of new accessories have been inspired by the 235, including the Lightweight Follow Focus LFF-1, the On Board Battery OBB-1, the External Display EXD-1 and a new ARRI/Zeiss Lightweight Zoom (LWZ-1).



Maximum mounting flexibility is given by the 235 Side Bracket SBR-1, that can hold the MB-20 matte box, multiple lens motors and/or the Lightweight Follow Focus LFF-1, which is pictured here.





Compatibility with existing ARRI electronic accessories makes life on the set easier. Pictured here is the External Display EXD-1, that allows the assistant to see what is going on from both sides of the camera or remotely.



235 with Shoulder Magazine 60/200 (SHM-1)



235 with Shoulder Magazine 120/400 (SHM-2)



235 with 435 ARRIMAG 120/400



235 with 35-2c 200' Magazine



235 with Steadicam Magazine 120/400 (STM-1)





The 235 is being used in many situations that necessitate a small and light camera, including shooting Formula One racing, action hand held sequences, quicker and more dynamic Steadicam moves, 3-D rigs, use with small and lightweight remote heads, shooting in tight locations, etc.


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ACTUAL SIZE

SPECIFICATIONS

Fps:	1 to 75 fps forward, 20 to 30 fps reverse
Shutter:	Manually adjustable to: 45°, 60°, 75°, 90°, 105°, 120°, 135°, 144°, 150°, 172.8°, 180°
Film format:	35 mm DIN 15 501
Film gate:	ANSI Super 35 (24.9 x 18.7 mm/0.98" x 0.74"), same as ARRICAM ANSI S35 Silent 1.33 format mask
Lens mount:	54 mm stainless steel PL mount
Flange focal distance:	51.98 mm -0.01
Movement:	Single pull down claw with two prongs, single registration pin, registration pin in optical printer position (like 435), camera available with 3 or 4 perforation movements
Ground glass:	The 235 uses 435 ground glasses
Weight:	Camera body + viewfinder + eyepiece: approximately 3.5 Kg/7.7 lbs
Power input:	24 Vdc nominal, accepts 21 to 35 Vdc
Accessory power outputs:	1x REMOTE accessory socket 2x RS (Remote Start) sockets 1x MINI MONITOR socket on IVS
Temperature range:	-20°C to +50°C (+4°F to +122°F)
Compatible magazines:	235 Shoulder Magazine 60/200 (SHM-1) 235 Shoulder Magazine 120/400 (SHM-2) 235 Steadicam Magazine 120/400 (STM-1) 435 ARRIMAG 120/400 435 Steadicam Magazine 120m/400' 35-3/2C Single compartment magazine 60m/200' 35-3/2C Single compartment magazine 120m/400' Not compatible with 35-3 and 435 300m/1000' magazines.



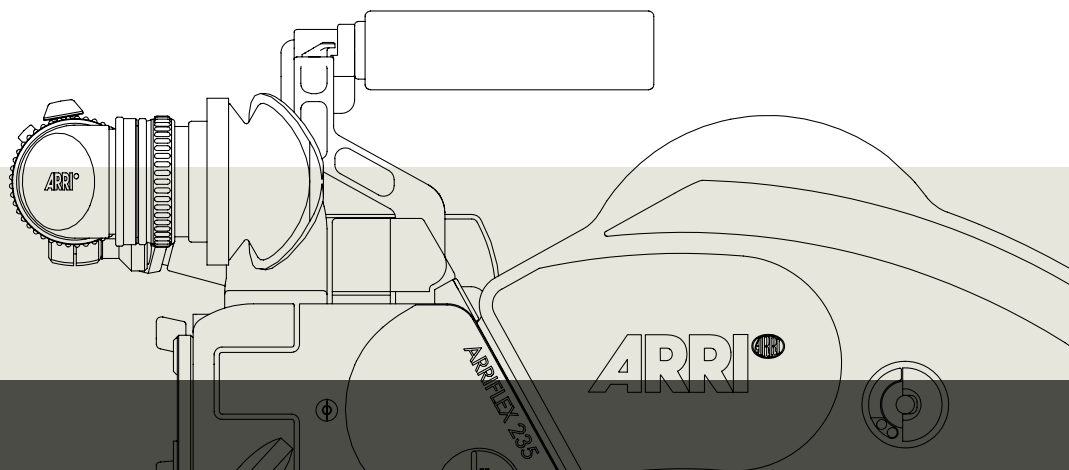
CAMERA COMPARISON

	ARRIFLEX 35-2C [1]	ARRIFLEX 235	ARRIFLEX 435 Xtreme
Price (body & viewfinder)	not sold anymore	**about half of 435 Xtreme**	See ARRI Price List
Speed	2 to 50 fps	**1 to 75 fps**	0.1 to 150 fps
Shutter range	165° fixed [2]	**45° to 180°**	11.2° to 180°
Weight (body & viewfinder)	4.2 kg/9.3 lbs [3]	**3.5 kg/7.7 lbs**	7.0 kg/15.4 lbs
Lens mount	Turret with standard and steel bayonet mounts	**54 mm PL mount**	54 mm PL mount with LDS contacts
Super 35	-	**yes**	yes
3 Perforation option	-	**yes**	yes
Ergonomic, flexible & bright viewfinder	-	**yes**	yes
Registration	-	**single pin**	dual pin
Compatible with modern accessories	-	**yes, RCU, WRC, ICU, ESU, Wireless Remote System (WRS)**	yes, RCU, WRC, ICU, ESU, RU, Wireless Remote System, Single Frame System, Motion Control Adapter, integrated motor controller, integrated radio modem, Lens Data Display, 100% Video Top, ARRIMOTION frame accurate rewind & double exposure, ARRIMOTION speed ramping
Speed ramps	-	**yes, 1 to 75 fps with iris compensation; RCU or WRC needed**	yes, 0.1 to 150 fps with shutter and/or iris compensation, fast & wide range ramps; ramp control built-in
Electronic shutter	-	-	yes
Lens Data System	-	-	yes
Motion control compatible	-	-	yes
Aperture format masks & gel filter holder	-	-	yes
Timecode	-	-	yes

(1) = These are the specifications for the standard ARRI 35-2C unless otherwise noted. Many retrofits have been done over the years, too numerable to list here.
(2) = The 35-2CV/B model had a manually variable shutter from 0° to 165°.
(3) = Weight of 35-2C with CE base, viewfinder door and PL mount.
(4) = Price from December 2004 price list. Please consult the latest price list for current price.







235 MAIN COMPONENTS


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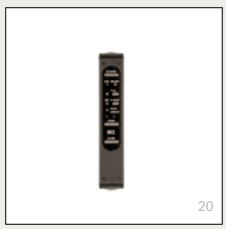

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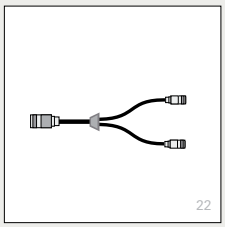

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CAMERA BODIES

01 : Camera Body - 4P	K1.55000.0
Camera Body - 3P	K1.55000.3

MAGAZINES

02 : Shoulder Magazine 60/200 (SHM-1)	K2.55001.0
03 : Shoulder Magazine 120/400 (SHM-2)	K2.55016.0
04 : Steadicam Magazine 120/400 (STM-1)	K2.55008.0
05 : 435 ARRIMAG 120/400	K2.47083.0

VIEWFINDERS

06 : Spherical Viewfinder set (SV-1)	K2.55009.0
07 : Universal Viewfinder set (UV-1)	K2.55010.0
08 : Medium Eyepiece Extention (MEE-1)	K2.55000.0
09 : Long Eyepiece Extension (LEE-1)	K2.55012.0
10 : Heated Eyecup (HE-4)	K2.47794.0
11 : Heated Eyecup (HE-5)	K2.47769.0
Heated Eyecup Cable for HE-4 or HE-5	K2.47771.0

VIDEO ASSIST

12 : Integrated Video System NTSC (IVS-2)	K2.47525.0
Integrated Video System PAL (IVS-2)	K2.47524.0
13 : 6,6" Transflective Video Monitor	K2.47774.0
14 : 2" Video Monitor NTSC	K2.54035.0
2" Video Monitor PAL	K2.54040.0

ELECTRONIC ACCESSORIES

15 : On Board Battery (OBB-1)	K2.47553.0
On Board Battery Cable	K2.47555.0
16 : Remote Control Unit (RCU-1)	K2.47197.0
17 : RCU Cable (KC-39)	K4.47329.0
18 : External Display (EXD-1)	K2.55013.0
19 : Universal Mounting Arm 120	K2.65020.0
20 : Iris Control Unit (ICU-1)	K2.47028.0
21 : ICU Cable (LC-D1)	K2.47029.0
22 : Accessory Expansion Cable (KC-88-S)	K2.55011.0
23 : Remote Switch (RS-4)	K2.46942.0
24 : Camera Handgrip, Right	K2.45886.0

ELECTRONIC ACCESSORIES

25 : Universal Motor Controller (UMC-3) K2.65000.0
26 : Wireless Main Unit (WMU-3) K2.52240.0
Wireless Battery Unit (WBU-3) K2.52238.0
Wireless Focus Unit (WFU-3) K2.52268.0
27 : Zoom Main Unit (ZMU-3) K2.65003.0
28 : Controlled Lens Motor (CLM-2) K2.52036.0

MECHANICAL ACCESSORIES

29 : Lightweight Follow Focus (LFF-1/19) set 19mm K0.60021.0
30 : Flexible Shaft short K2.34100.0
31 : Compact Matte Box (MB-20) set for 235 Side Bracket SBR-1 K0.60023.0
32 : Lightweight Matte Box (LMB-5) K0.60032.0
33 : Lightweight Matte Box (LMB-15) K0.60047.0
34 : 235 Standard Camera Handle (SCH-1) K2.55004.0
35 : 235 Low Mode Handle (LMH-1) K2.55006.0
36 : 235 Low Mode Support (LMS-1) K2.55014.0
37 : 235 Left Rod Bracket (LRB-1) K2.65052.0
38 : 235 Compact Rod Holder (CRH-1) K2.65037.0
39 : 235 Side Bracket (SBR-1) K2.55015.0
40 : Support rods 165mm K2.55023.0
Support rods 185mm K2.55024.0
41 : 3/8" Accessory Shoe Adapter K2.54077.0
42 : 235 Riser Plate (RP-1) K2.55002.0
43 : 235 Shoulder Pad (SP-1) K2.55005.0
44 : Case for ARRIFLEX 235 & two 235 Shoulder Magazines 60/200 (SHM-1) K2.65004.0
Case for ARRIFLEX 235 & two 235 Shoulder Magazines 120/400 (SHM-2) K2.65005.0


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LENSES

45 : ARRI/Zeiss Super Speed Prime lenses
46 : ARRI/Zeiss Ultra Prime lenses
47 : ARRI/Zeiss Master Prime lenses
48 : ARRI/Zeiss Lightweight Zoom LWZ-1


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Note: A complete list of all 235 components and cables, as well as other optional matte boxes, follow focus units, accessories and lenses can be found in the ARRI camera products list, which is available on the ARRI web site at: http://www.arri.com

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