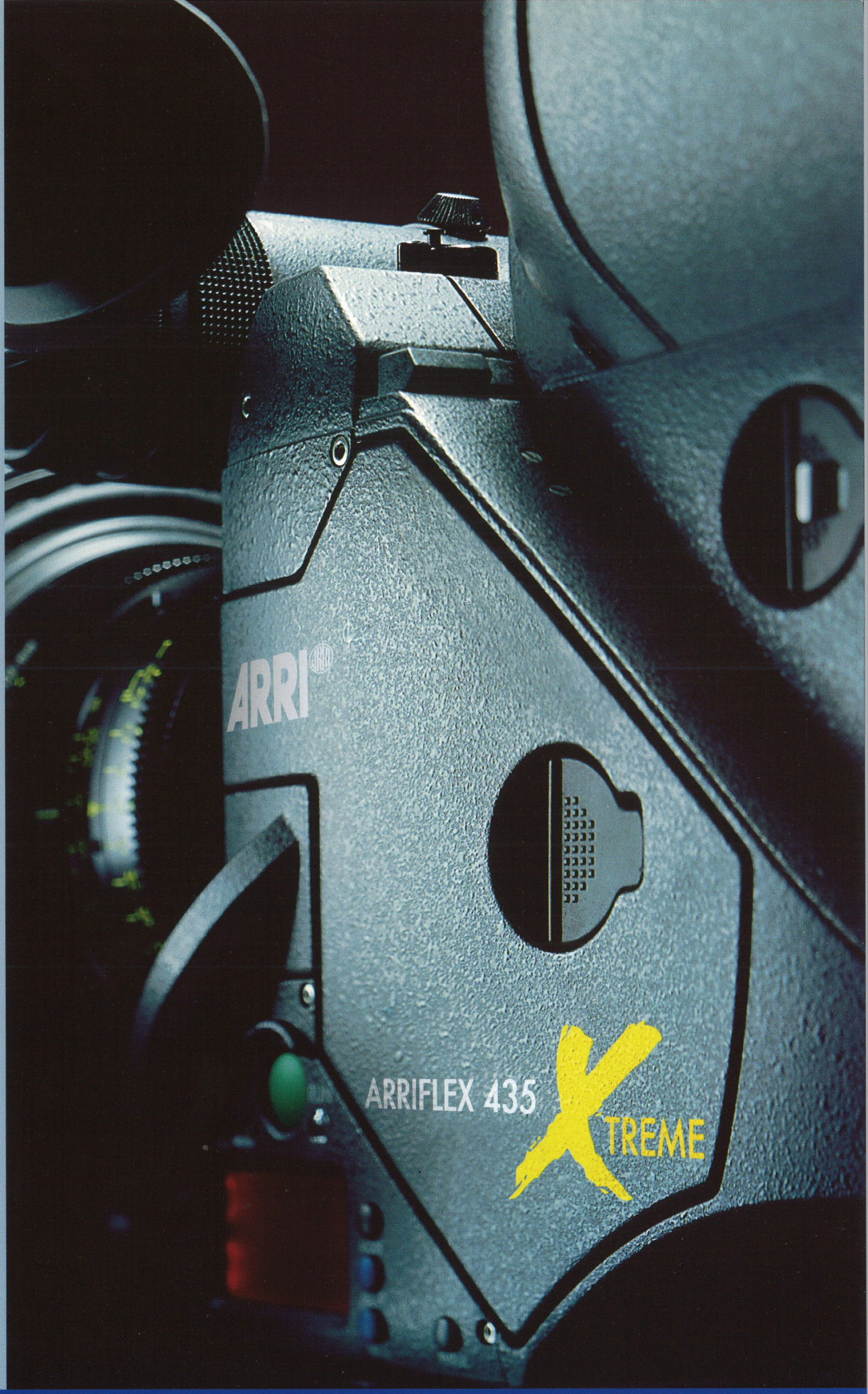


ARRI

ARRIFLEX 435



Xtreme

Since the ARRIFLEX 435 camera first saw the light of day in 1995, it has become the workhorse of the film industry, the golden standard for MOS camera work. Over 1,200 cameras were sold worldwide, and 435 cameras can be seen in use in LA, Toronto, London and Berlin, from the deserts of Dubai to the wide Chinese landscapes, from Africa to Australia. Based on the original 435 design, ARRI has continuously updated the camera to add versatility and features, culminating now in the 435 Xtreme.



Available with either 4 or 3 perforation movements, the 435 Xtreme combines the features of the 435 ES, 435 Advanced and the Functional Expansion Module 2 (FEM-2) in one package, resulting in the most flexible camera for MOS work. Still as small and robust as its first iteration, the 435 Xtreme is ideal for features, commercials, music videos, Steadicam, special effects or motion control work alike.

Feedback from the market over the last ten years has resulted in a multitude of new functions and options for the 435 Xtreme:

- A super bright high quality viewfinder, available for either spherical or anamorphic viewing.
- An extensive speed range from 0.1 to 150 fps.
- The latest generation of the ARRI Integrated Video System, the IVS-2, not only shows a brilliant, bright video image, but can also superimpose camera status information and frame lines, allows for automatic or manual color balancing of the image and can preview motion blur effects.
- A new ramp generator improves ramping capabilities with faster and smoother ramps. An even wider ramping speed range from 0.1 straight to 150 fps is possible.
- With the Single Frame System the 435 Xtreme transforms into a single frame / time lapse camera. The unique Integrated Capping Shutter (also available in 4 or 3 perforation) allows viewing of the viewfinder and video assist image even when the shutter is closed.
- With the Motion Control Interface (MCI) the movement, mirror shutter and Internal Capping Shutter can be independently and frame accurately controlled by a motion control computer.
- Tight integration with the ARRIMOTION system makes for a powerful set up that includes frame accurate go motion, stop motion and ramping capabilities.
- From the ARRICAM the 435 Xtreme inherited the built in Lens Data System (LDS Ultra), which saves time and allows the assistant to work more efficiently on the set.
- The 435 Xtreme can be outfitted with an extensive range of accessories for any shooting situation. These include 120m/ 400" magazine, a 300m/1000" magazine, a Steadicam magazine, a 100 % Video Top, Single Frame System, Motion Control Interface, Universal Radio Module, Lens Data Displays, and ARRIMOTION.
- The 435 Xtreme is of course also tightly integrated into the existing ARRI accessories, of which it shares many with the ARRICAM, from the small and modular Wireless Lens Control System, the Wireless Remote Control (WRC-1) to the range of follow focuses and matte boxes.
- The electronics for lens motors have been integrated, and the camera side radio modem (URM) for wireless lens and camera control has its own place reserved, giving the camera the smallest envelope possible.

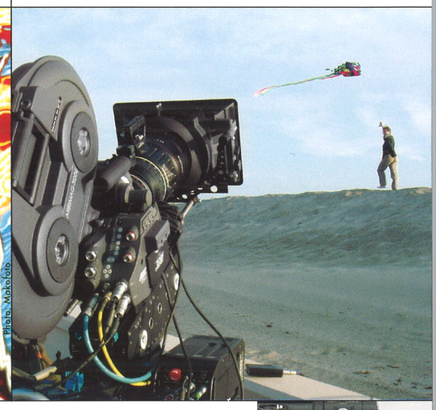
Meguiars



Las Vegas



Zuma Beach



ARRIFLEX 435 Model Comparison

Feature	435	435 ES	435 Advanced	435 Xtreme
Faster & smoother ramps				•
Ramps from 0.1 to 150 fps				•
Lens Data System				•
Integrated lens motor electronics				•
Integrated modular wireless radio (no cables)				•
ARRIMOTION frame accurate ramps				•
ARRIMOTION stop & go motion				•
Speed Range 0.1 to 150 fps			•	•
Motion Control Interface			•	•
Slow ramp up for Steadicam & cranes			•	•
Electronic mirror shutter		•	•	•
Spherical or anamorphic viewfinder	•	•	•	•
Integrated Video System	•	•	•	•
4 or 3-Perforation movement	•	•	•	•
Compatible with Single Frame System	•	•	•	•

Technical Data

Film format:	35 mm DIN 15 501
Lens mount:	54 mm PL-mount with LDS-contacts adjustable for Super 35 format
Flange focal distance:	51.98 – 0.01 mm
Reflex mirror shutter:	can be locked mechanically or electronically and adjusted continuously from 11.2° – 180° while the camera is running
Frame rate:	0.1 – 150 fps, forward and reverse (quartz accurate to 0.001 fps)
Viewfinder indicator:	asynchronous film running, low battery voltage, film end
Contrast filter:	selectable, ND 0.6
Phase shifter:	integrated into the camera by pressing the PHASE key while camera is running
Sensors:	shown on the camera display are: film end, incorrect movement position. If the camera is not ready for operation, the control lamp illuminates red
Temperature range:	-4° F to 122° F (-20° C to + 50° C)
Videoassist:	IVS II
Beamsplitter:	interchangeable with ratios of 80/20 % and 50/50 %
Magazines:	400 ft and 1000 ft displacement magazines as well as 35 III type magazines
Steadicam magazine:	400 ft
Movement system:	5-link movement with double-sided pull-down claws and registration pins for 35mm negative film DIN 15501 with 3- or 4-perforation movement
Drive system:	quartz controlled DC motors
Power supply:	24 V DC – 35 V DC
Accessory:	24 V, 3/5 A and 12 V, 3/5 A
Battery:	NC 24/7 R
Weight:	6.5 kg (14.3 lbs) without magazine
Dimensions:	with 400 ft magazine, without lens, Length: 400 mm (101.6 in) Width: 250 mm (63.5 in) Height: 331 mm (83.8 in)
Time Code:	format SMPTE RP 136, form C 80 bit. TC quartz accuracy ± 1 ppm (0 – 50° C)

IVS II



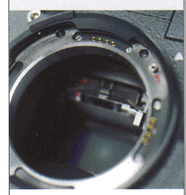
Single Frame System



Motion Control Interface



LDS Contacts



FEM-2



Germany

Arnold & Richter Cine Technik (Headquarters, Sales & Service)
Türkenstr. 89, D-80799 Munich, Germany
Director of Sales & Marketing: Thomas Popp, tpopp@arri.de
Phone +49 (0) 89 3809 0, Fax: +49 (0)89 3809 1244

ARRI Lighting Solutions (Studio Project Management, Sales)
Agastr. 24, D-12489 Berlin, Germany
Head of Administration: Norbert Wunderlich, nwunderlich@arri.de
Phone +49 (0) 30 678 233 0, Fax: +49 (0) 30 678 233 99

Great Britain

ARRI GB Limited (Sales & Service)
2 Highbridge, Oxford Road, Uxbridge, Middlesex UB8 1LX, England
Film Equipment Sales: Alan Fyfe, afyfe@arri-gb.com
Phone +44 (0) 1 895-45 70 00, Fax +44 (0) 1 895-45 70 01

Italy

ARRI Italia S.r.l. (Sales & Service Milan)
Viale Edison 318, 20099 Sesto San Giovanni (Milano), Italy
Vice President: Antonio Cazzaniga, acazzaniga@arri.it
Phone +39 02-26 22 71 75, Fax +39 02-242 16 92

ARRI Italia S.r.l. (Sales & Service Rome)
Via Placanica 97, 00040 Morena (Roma), Italy
Camera Sales, Mauro Sembroni, msembroni@arri.it
Phone +39 06-79 89 021, Fax +39 06-79 89 02 206

USA

ARRI Inc. (Sales & Service, East Coast)
617 Route 303, Blauvelt, NY 10913-1109, USA
Vice President: Jürgen Schwinzer, jschwinzer@arri.com
Phone +1 (1) 845-353-14 00, Fax +1 (1) 845-425 12 50

ARRI Inc. (Sales & Service, West Coast)
600 North Victory Blvd., Burbank, CA 91502-1639, USA
Vice President: Bill Russell, brussel@arri.com
Phone +1 (1) 818-841 7070, Fax +1 (1) 818-848 40 28

Canada

ARRI Canada Limited (Sales & Service)
415 Horner Avenue, Unit 11 & 12, Toronto, Ontario, M8W 4W3, Canada
Accounts Manager, Camera & Digital Systems: Sébastien Laffoux, seb@arrican.com
Phone +1 (1) 416-255 33 35, Fax +1 416-255 33 99

www.arri.com

Published by:
Arnold & Richter Cine Technik
Camera Marketing: JThieser@arri.de

Technical data and offerings are subject to change without notice. All rights reserved. Without any warranty. Not binding. 08/2004. ARRI is a registered trademark of Arnold & Richter Cine Technik GmbH & Co. Betriebs KG

ARRI
ARNOLD & RICHTER CINETECHNIK
GmbH & Co. Betriebs KG

TÜRKENSTRASSE 89 / D-80799 MÜNCHEN
PHONE +49-89-38.09-0 /-FAX +49-89-38.09-1244
www.arri.com