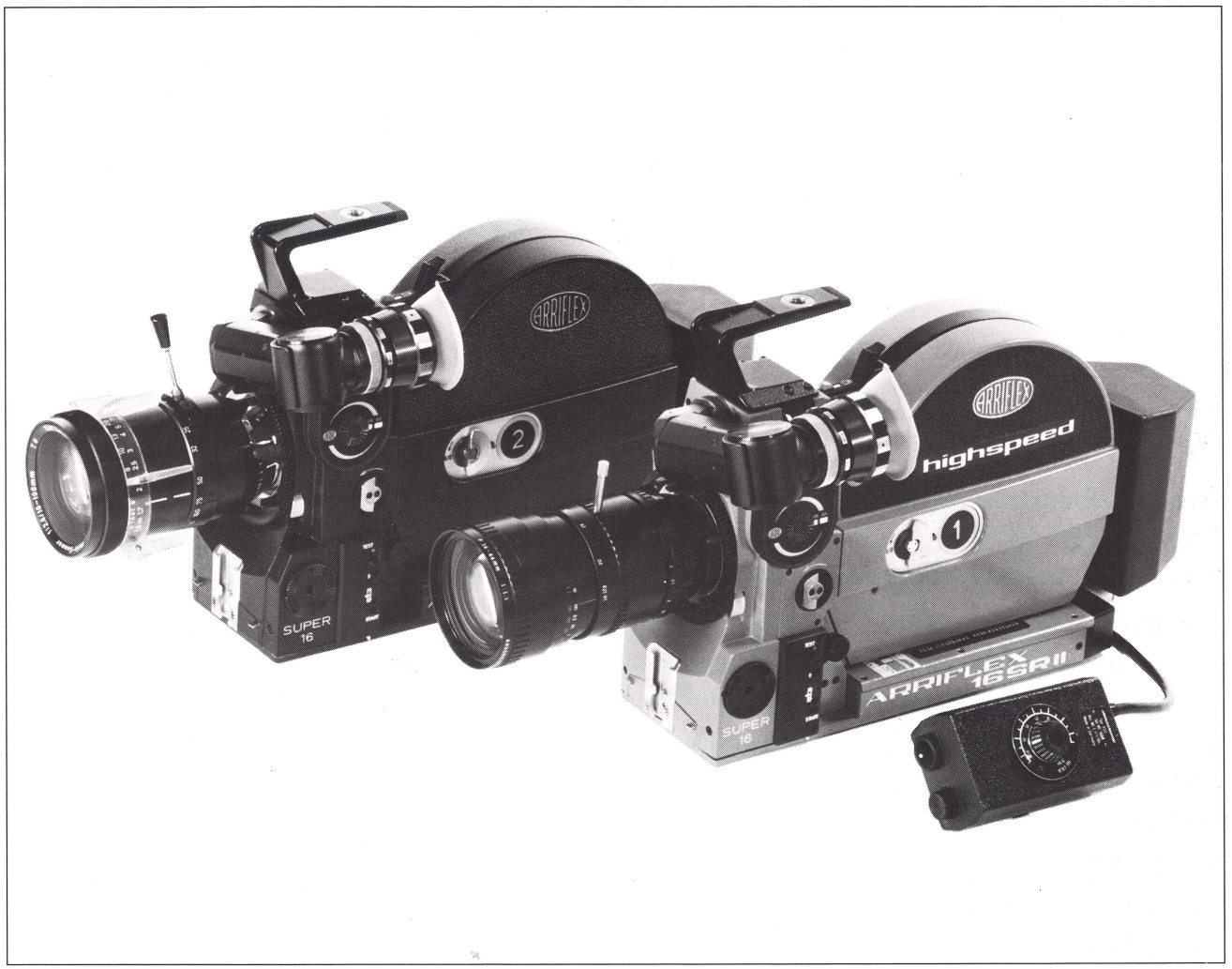
TECHN.-INFORMATION

Arnold & Richter Cine Technik · Türkenstr. 89 · 8000 München 40 · Tel. (0 89) 38 09-1 · Fax (0 89) 38 09-244 · Tx 5 24 317 arri d



ARRIFLEX SUPER 16 SR II
ARRIFLEX SUPER 16 SR HS II

12/91

Due to its larger picture area the **Super 16** format allows using the exposed film for 35 mm projection as well as for the 16:9 TV format (e.g. HDTV).

Forty percent more negative area is available with **Super 16** format as compared with normal 16 mm size when it is blown up to 35 mm cinema wide-screen format (format ratio 1.66:1).

Calculating raw stock costs alone, a 16 mm film production is about 60% cheaper than a comparable 35 mm production.

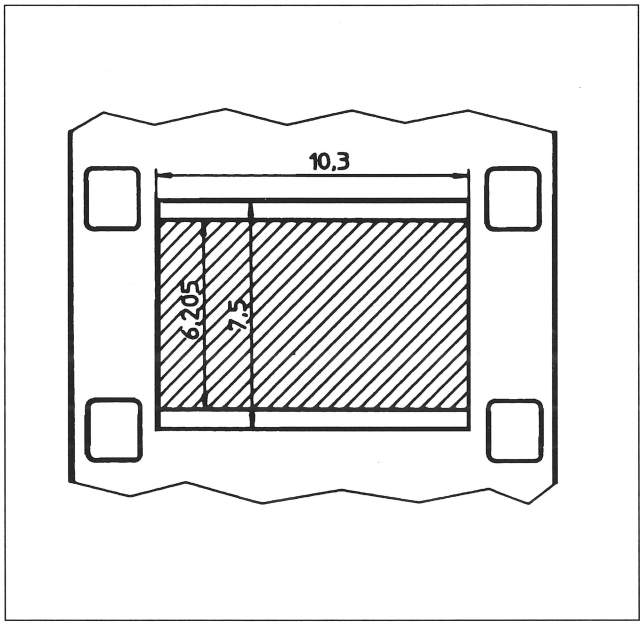


Figure 1

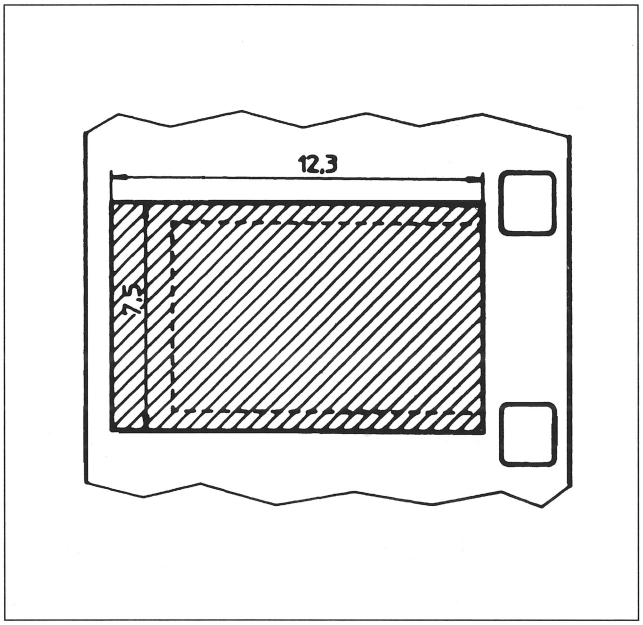


Figure 2

Two 16 SR camera models can be supplied with the **Super 16** format:
The ARRIFLEX 16 SR II and the ARRIFLEX 16SR HS II. Operation and functions of these camera models are basically the same as with the regular 16 SR cameras.

The wide image format of 7.5 x 12.3 mm (normal 16 format is 7.5 x 10.3 mm) necessitates repositioning of the optical middle axis of lens mount, viewfinder, tripod thread and accessory holder by 1mm to the left (seen in taking direction).

The spinning mirror shutter has an open sector of 172.8°, allowing exposure compensation with scene illumination by 50 Hz HMI/CID discharge lamps and at a frame rate of 24 fps (see Instructions Manual of ARRIFLEX 16 SR II).

The **ARRIFLEX Super 16 SR II cameras** are equipped with the exposure meter system of the basic camera models.

The spring-loaded diaphragm and the automatic exposure control feature, however, cannot be fitted.

Frame rate range

Super 16 SR II-: 5 to 75 fps
Super 16 SR HS II: 10 to 150 fps

The frame rate is continuously adjustable with the Variable Speed Unit (VSU).

Paint finish

Super 16 SR II: black
Super 16 SR HS II: grey
(same as with regular 16 SR cameras)

Note: To show the full image area, the larger image format necessitates the use of suitable lenses (see table on next page).

The following lenses with 41mm dia steel bayonet mount can be used for Super 16 Format:

16 mm HS lenses with fixed focal length

12 mm	Zeiss Distagon	T 1.3
16 mm	Zeiss Distagon	T 1.3
25 mm	Zeiss Distagon	T 1.3
50 mm	Zeiss Planar	T 1.3

16 mm Zoom lenses

11 – 66 mm	Angenieux	T 2.6
11.5 – 138 mm	Angenieux	T 2.3
15 – 150 mm	Angenieux	T 2.3
16 – 44 mm	Angenieux	T 1.3
10.4 – 52 mm	Cooke Varokinetal	T 2.8
10 – 30 mm	Cooke Varokinetal	T 1.5

35 mm HS lenses with fixed focal length

18 mm	Zeiss Distagon	T 1.4
25 mm	Zeiss Distagon	T 1.4
35 mm	Zeiss Distagon	T 1.4
50 mm	Zeiss Planar	T 1.4
85 mm	Zeiss Planar	T 1.4
135 mm	Zeiss Planar	T 2.0

35 mm Standard lenses with fixed focal length

16 mm	Zeiss Distagon	T 2.1
20 mm	Zeiss Distagon	T 2.1
24 mm	Zeiss Distagon	T 2.1
28 mm	Zeiss Distagon	T 2.1
32 mm	Zeiss Planar	T 2.1
40 mm	Zeiss Planar	T 2.1
50 mm	Zeiss Planar	T 2.1
60 mm	Zeiss Macro-Planar	T 3.0
85 mm	Zeiss Planar	T 2.1
100 mm	Zeiss Planar	T 2.1
135 mm	Zeiss Planar	T 2.1
180 mm	Zeiss Sonnar	T 3.0
300 mm	Zeiss Tele-Apotessar	T 3.0
600 mm	Converter (2 x extender) for Tele-Apotessar	T 6.0

Note: All 35 mm zoom lenses with 41 mm dia steel bayonet mount can also be used for Super 16.

Note: Only single-perforation 16 mm film can be used.
SMPTE time code can be recorded.

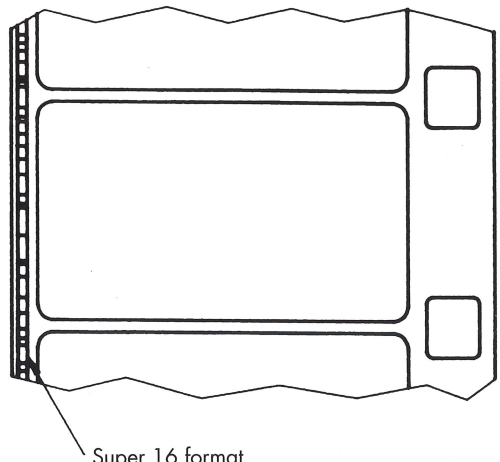


Figure 3

16 SR II Conversion Kits

16 SR HS II to Super 16 SR HS II	
Front housing cpl.	Id.No. K4.26405.0
Shutter bearing and 172.8° mirror shutter cpl.	Id.No. K4.26229.0
Film guide cpl.	Id.No. K4.26232.0
Electronic housing, pre-assembled	Id.No. K4.26413.0
Fibre optic focussing screen holder cpl.	Id.No. K4.26207.0
Complete kit	**Id.No. K2.43600.0**

Super 16 SR HS II to 16 SR HS II	
Front housing cpl.	Id.No. K4.22201.0
Shutter bearing and 180° mirror shutter cpl.	Id.No. K4.20805.0
Film guide cpl.	Id.No. K4.23059.0
Electronic housing, pre-assembled	Id.No. K4.23435.0
Fibre optic focussing screen holder cpl.	Id.No. K4.23110.0
Complete kit	**Id.No. K2.43644.0**

16 SR II to Super 16 SR II	
Front housing cpl.	Id.No. K4.26205.0
Shutter bearing and 172,8° mirror shutter cpl.	Id.No. K4.26229.0
Film guide cpl.	Id.No. K4.26232.0
Electronic housing, pre-assembled	Id.No. K4.26235.0
Fibre optic focussing screen holder cpl.	Id.No. K4.26207.0
Complete kit	**Id.No. K2.43596.0**

Super 16 SR II to 16 SR II	
Front housing cpl.	Id.No. K4.20280.0
Shutter bearing and 180° mirror shutter cpl.	Id.No. K4.20805.0
Film guide cpl.	Id.No. K4.23059.0
Electronic housing, pre-assembled	Id.No. K4.23024.0
Fibre optic focussing screen holder cpl.	Id.No. K4.23110.0
Complete kit	**Id.No. K2.43598.0**

ARRI ARNOLD & RICHTER CINE TECHNIK
TÜRKENSTR. 89· 8000 MÜNCHEN 40· TEL. (089)3809-1
TELEX 5 24 317 ARRI · FAX (0 89) 38 09-244

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