

Evolution Viewfinder
Evolution Movement 3-perf/4-perf
Evolution Electronics
Evolution Video Assist

35 BL Evolution



Technical Data for 35BL Evolution

Noise level	< 22 dBA
Variable shutter	180°, 172,8°, 144° (upon request)
Lens mount	Ø 54 mm PL-Mount N35 Optional S35
P+S Evolution film gate with masks	Format masks: 1.33, 1.375, 1.66, 1.85, 2.35
Video assist	50:50 or 70:30 beamsplitter
Multi display	3 illuminated LCD displays. Counter and parameters can be chosen by buttons and shuttle wheel
Filming speeds	5 to 50 fps, (crystal accurate to 0.001 fps)
Temperature range	-20 °C to +50 °C
Power supply	20V-28V
Fuse	Self resetting



Additional functions available with uRC

Connectors

3 Pin Fischer (4 pieces) RS	24V/2A
11 Pin Fischer (3 pieces)	12V/3A
14 Pin Lemo (Aaton code)	Optional

Accessories

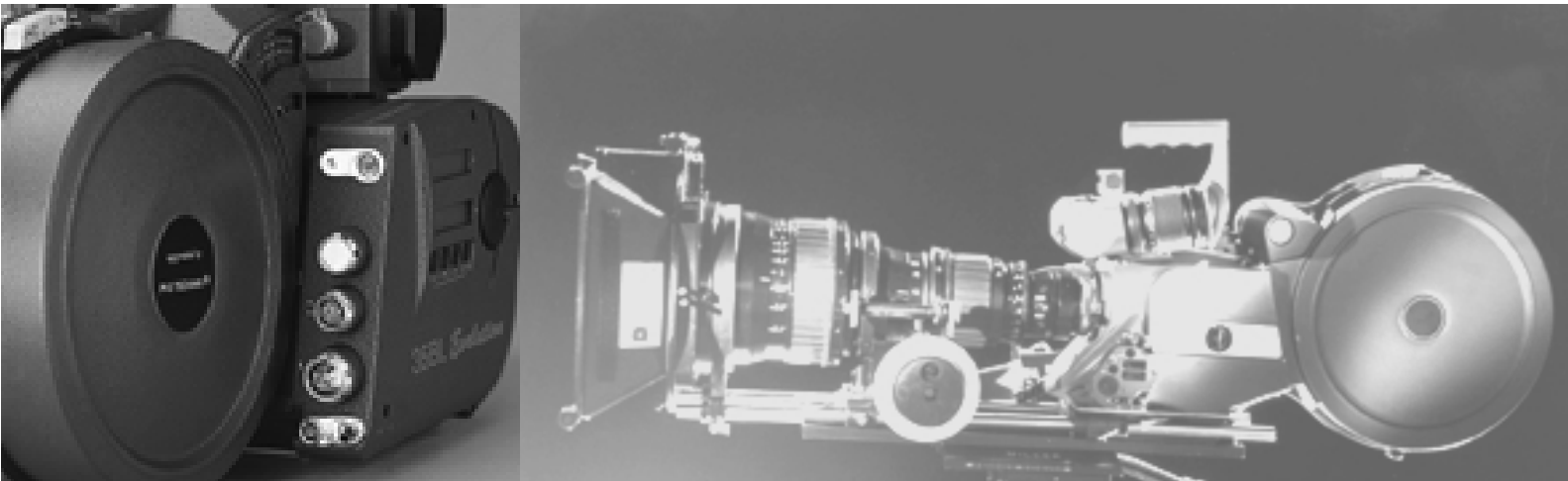
P+S Technik uRC-universal remote control	CEI video assist
Arri accessories VSU external	DENZ VCSC digital 2000
Arri EFCV	
Arri LCS / UMC	
Arri ICU	Aaton code optional
Arri PHU	
AFP-2 Video anti flicker processor	



Electronics easy to service

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ARRI 35 BL camera bodies and magazines. With the new electronics, the new motor and the new film gate the Evolution program fulfills every expectation.



The new Evolution electronics reduce the weight of your camera



Evolution for ARRIFLEX 35 BL cameras

Since 1994 P+S Technik has offered various modifications to keep this popular camera state-of-the-art. The upgrade consists of separate modules and is suitable for



*Go professional upgrade your equipment
Protect your investment*



24V Evolution Electronics for 35 BL cameras

The digital electronics allow the use of a powerful and at the same time light-weight motor.

Highlights:

- lightweight low noise motor
- electronic cover with double line display and programming keys
- meter/feet counter display on door side
- ready for 3-perf or 4-perf
- real 5-50 fps quartz accurate controlled
- integrated phase shifting by push button
- film length in m or ft (120/300 m or 400/1000 ft)
- available length or used length
- optical and acoustic warning at ASY and low bat
- 2 additional 12 V outputs, max. 3 A each



Movement

- 10396 4-perf system
- 15897 3-perf system

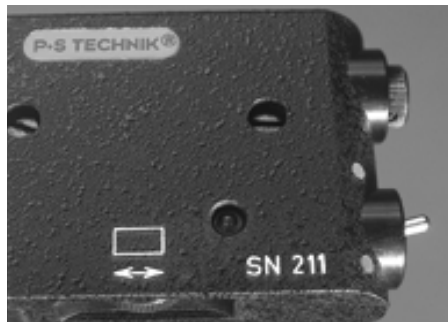
The 35 BL Evolution movement is an optimised version of the BL4s movement and can be installed into ARRI BL II, BLIII, BL4 and BL4s cameras. The movement includes a pitch-control and, together with the Evolution film gate, a maximal noise reduction is achieved.

Viewfinder system

This recently designed viewfinder system for 35 BL cameras puts a state-of-the-art equipment at your disposal.

Highlights:

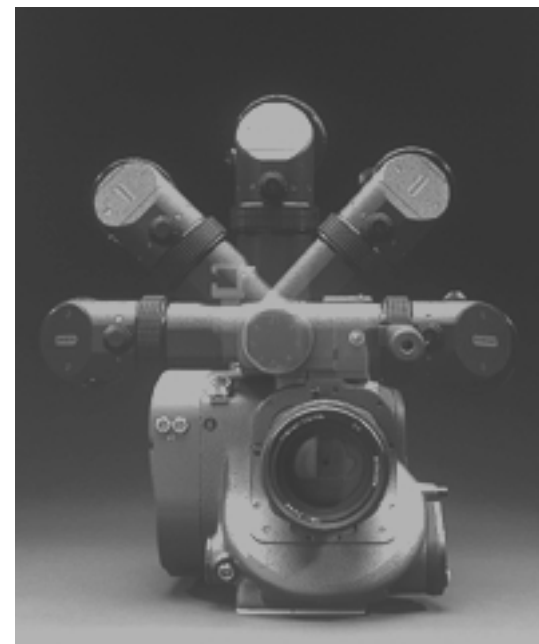
- Super 35 format
- extremely bright viewfinder with large pupil
- glow with exchangeable glow masks red or green lighted
- beam splitter 50/50 or 70/30 works with polfilter
- pivotable right and left
- extendible
- video adapter
- detachable for Steadicam use



All ARRI eyepieces can be used.
All standard format masks are available.

If the camera is used for Steadicam configuration the viewfinder body can easily be detached. The handle, as well, can be detached. When using a 400 ft magazine, and the handle folded down, the 35 BL Evolution is the camera with the lowest overall height and a very low noise level.

The connection for video assist is provided, the video assist itself is a separate module. All standard video cameras can be used with our viewfinder system.



Viewfinder system with integrated anamorphic correction

The anamorphic correction module is the high-end module of our 35 BL upgrade package for ARRI 35 BL cameras. For the first time there is a 35 mm camera on the market that provides in series a switchable anamorphic correction and a zoom viewfinder extension.



Evolution Video Assist

Video assist

We offer a video assist for different CCD video cameras with C-Mount or CS-Mount.

- ARRI video system for 1/2" color video camera
- CEI color video assist cameras
- DENZ VCSC digital 2000



Viewfinder Extensions

Viewfinder extension

The viewfinder extension has been designed in optical accordance with the Evolution viewfinder. Zoom with approx. 2-times magnification (variable). A pivotable holder for the filter is incorporated in the viewfinder extension. The use with ARRI 35 BL viewfinder systems is also possible. Prepared for ARRIFLEX finder levelling rod (# K2.42533.0)

Videotop Only for 35 BL cameras

In exchange with the original or the Evolution viewfinder system, 35 BL cameras can be fitted with this light-weight videotop which is especially suitable for Steadicam configuration or when working on a crane. The camera weight is reduced by 2 kg. The connector to the video assist is the same for the Videotop Only and the 35 BL Evolution viewfinder. Thus the Videotop Only fits perfectly into the accessories program for 35 BL Evolution cameras. To use the Videotop Only with standard ARRI 35 BL cameras an intermediate plate (p/n 10149) is needed.

AatonCode in ARRI BL cameras

The integration of the AatonCode into 35 BL cameras consists of the following components:

Internal:

The matrix projection device is mounted underneath the film plate and is wired to the second accessories socket (for the Fischer plug) of ARRI BL4 or BL4s cameras. In case of older camera models (ARRI BLII or BLIII) we install an additional socket. For the installation of the parts the camera has to be sent to P+S Technik Munich.

External:

You need an AatonCoder-4 for ARRI BL.

Super wide angle eyepiece

P+S Technik has developed a new wide angle eyepiece (magnification 10-times) as an expansion of the modular 35 BL-Evolution program. Both, the experience of P+S Technik in the field of film technique and the well known excellent production quality of **Rodenstock** have joint in the development of this eyepiece.

Eyepiece Cups

- P+S Technik eyepiece cup with or without shutter
- P+S Technik eyepiece cup with shutter and heating
- Cables for 12V, 24V cameras available

Evolution Movement

Evolution Film Gate with Exchange Format Mask System



PL-Mount exchangeable for Super 35

