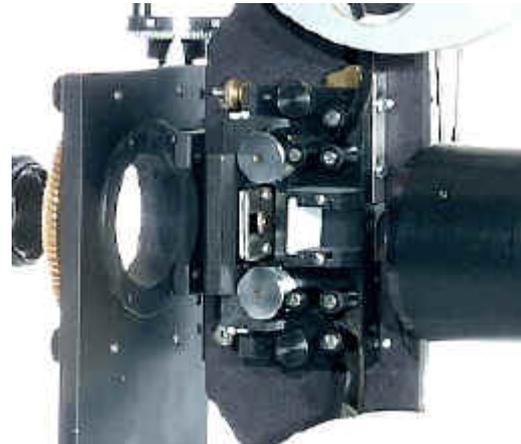


The Waback Machine - https://web.archive.org/web/20010205061800/http://www.jkcamera.com:8...

# Optical Printer K106r



**This model K106r** is functionally the same as all previous designs of JK Optical Printers. The new look is designed for housing all necessary electrical hardware such as DC power supplies, stepper motor drivers and control electronics. Precision ball bearing movements are added for camera and lens axis adjustment. Control switches and key board are attached to the side of the base, all in one convenient unit, improving safety and the access to the printer operation.

**Optional feature:** The projector is supplied with a rotating mount, the incremental rotation is controlled by a crank and worm-gear, 100 crank turns equals one 360 degree rotation. Advantage: Convenient frame line correction, tilt, spin or combined zoom and spin effects.

Basic JK 106r Optical Printer includes the following items:

- \* A printer base, camera carriage with X-axis movement and Bolex camera mount.
- \* Lens carriage including X, Y and Z-axis movement.
- \* Lens mount, bellows and Y and Z-axis dial indicators.
- \* Projector with 16mm pin-registered film gate.
- \* 360 degree projector rotation.
- 400ft. film capacity supply and take-up.
- \* Motors and controls for camera and projector advance.
- \* Sequence control with up/down frame count and following programmable functions:  
Exposure time, preset frame count, step cycle, skip cycle and alternate printing. **US\$ 4,750.00**

## **OPTIONAL EQUIPMENT FOR THE COMPLETE PRINTER:**



## Quartz Halogen Light

This 300 watt 110VAC. light source delivers enough light to illuminate a small 8mm. frame to be blown up to 35mm. camera frame. Condenser system focus the collimated light beam to cover up to vistavision (slide) frame. Use a Opal glass or Ground glass diffuser to reduce contrast. A Light dimmer and Volt meter helps to set light out-put and make fade effects. **Add US\$ 395.00**

EI-Nikon 75mm F:4 lens

**Add US\$ 215.00**



## Add your Bolex camera to Printer set-up.

For 16mm. format a Bolex H16 Rex4 or Rex5 are most commonly used with JK Optical Printers. Early versions like Rex 2 and 3 can be used but requires a 1 to 1 drive shaft installation.

Optical printer components	Item #	Price US\$
300 watt quartz halogen light source	300WQ	395.00
EL Nikkor 75mm. F: 4 lens	75mm	215.00
Bolex H16 Rex4 camera (new or used)		Call
8mm film gate for JK optical printer	GT8	1,150.00
Super 8 film gate for JK optical printer	GTS8	760.00
Super 16 film gate for JK optical printer	GTS16	895.00
16mm film gate	GT16	685.00
35mm film gate (4 perforation pull down)	GT35	1,200.00

**JK106r** Use this printer for reduction, blow-up and one to one copying. Computer controlled Step, skip and alternate printing modes. Film gates are available for 8mm, Super 8, 16mm, Super 16 and 35mm.

### DESCRIPTION

ALL CAMERA AND PROJECTOR OPERATIONS: ADVANCEMENTS, EXPOSURES AND SEQUENCING -- ARE CONTROLLED BY A COMPACT, PROGRAMMABLE SEQUENCE CONTROL BOX, MAKING PRINTER OPERATION SIMPLE AND CONVENIENT.

Mechanical movements, including focus, reduction and enlargement ratios, are achieved by hand adjustment. Image magnification is determined by the extension of the bellows and relative position of lens and camera.

With a 75 mm lens, ratios of 1:4 trough 4:1 are possible, providing a range for optical zoom, pan, cropping, split screen effects, and format reduction or enlargement. Focus is done through either the camera viewfinder, or, when the camera is unloaded, by observing the camera gate through a 90-degree prism.

The lens and camera are tracked and located by fine-pitch lead screws, using graduated hand wheels. Exposure is controlled by the iris, filters and programmable exposure time control. Fades and dissolves are accomplished by using the combination of variable shutter, iris and light dimmer or a combination of ND filters. Colors are corrected by color printing filters.

Synchronized printing speed is 40 frames-per-minute. Camera rewind speed is 120 frames per-minute. Camera drive motors are available for all cameras suitable for optical printing, having reflex view finder and 1-to-1 external drive outlet (one 360 degree turn equals of the drive the film by one frame.) This includes the BOLEX 16-REX 4 & 5, MITCHELL 16 and 35mm, MAUER, CINE SPECIAL etc.

Projector printing modules (film gates) are interchangeable for 16 mm, Super 8 and 35mm film size. All film gates are provided with the fixed pin registration. The projector is easily removed for custom installations such as roto-scoping, rear-screen or aerial-image projection.

**See also:** [Digital Printer K106dip](#)

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