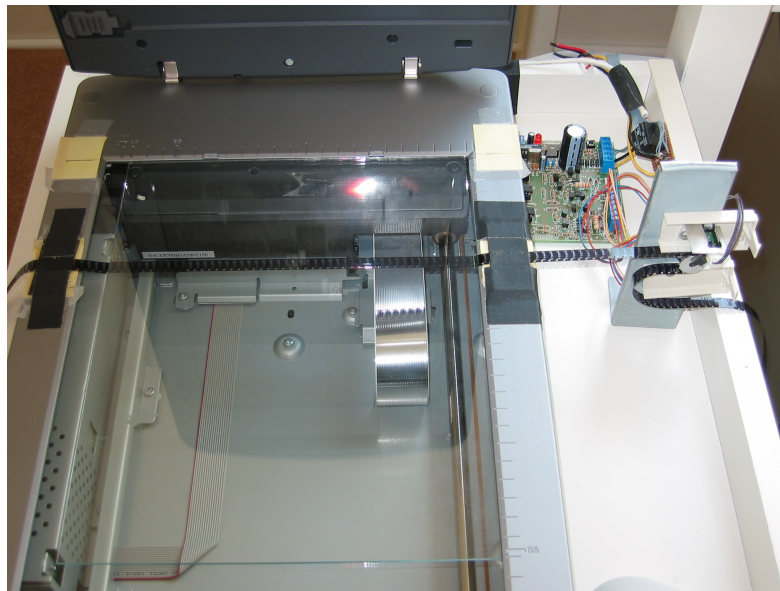
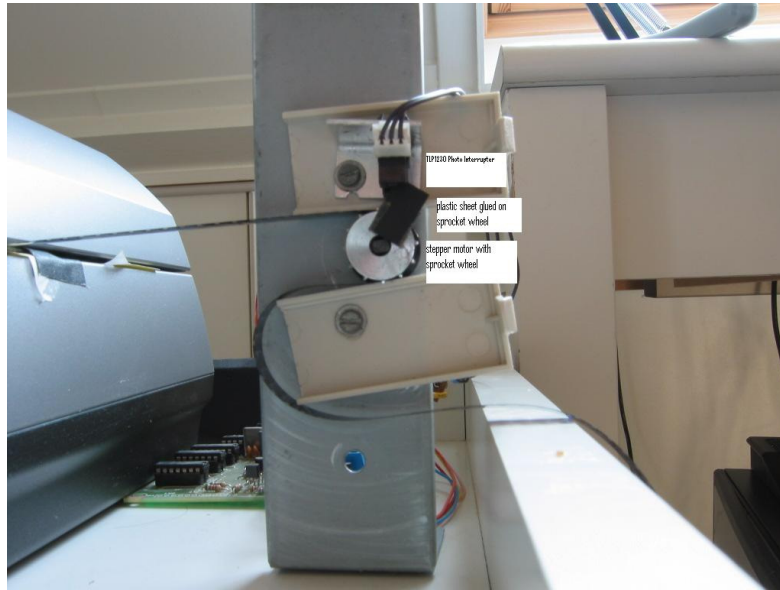


Super 8 film transportation system.

Fred van Goor

S8 strips with 44 frames are scanned with an EPSON model 4990 photo scanner. After each scan the film is transported automatically with a home build film transportation system. A sprocket wheel obtained from an old S8 film viewer is mounted on the axis of a stepper motor included in a [Velleman K8005](#) stepper motor kit.



The number of rotations of the sprocket wheel is monitored with a [photo interrupter](#). The signal from the photo interrupter is connected to a digital input port of a Velleman K8000 PC interface board. A simple [VB program](#) has been written that controls the stepper motor and counts the number of rotations of the sprocket wheel. After 4 rotations (44 frames) the filmstrip is scanned with an EPSON photo scanner model 4990. The scan command to the scan software is given simply by positioning the mouse above the scan command button. The left mouse button is connected to a [relay](#), which is controlled by the VB program. The scanned strip is automatically saved in the directory chosen with a unique number.

In this way hundreds of strips can be scanned automatically leaving the PC and scanner unattended.

EPSON Scan - EPSON Perfection 4990

Mode: Professional Mode

Name: Current Setting

Save Delete

Original

Document Type: Film(with Film Area Guide)

Film Type: Positive Film

Destination

Image Type: 24-bit Color

Resolution: 3200 dpi

Document Size: W 191.1 H 9.9 mm

Target Size: Original

Adjustments

Reset

Unsharp Mask Filter

Grain Reduction

Color Restoration

Dust Removal

Digital ICE(TM)

Preview Scan

Help Configuration... Close

Preview

Zoom

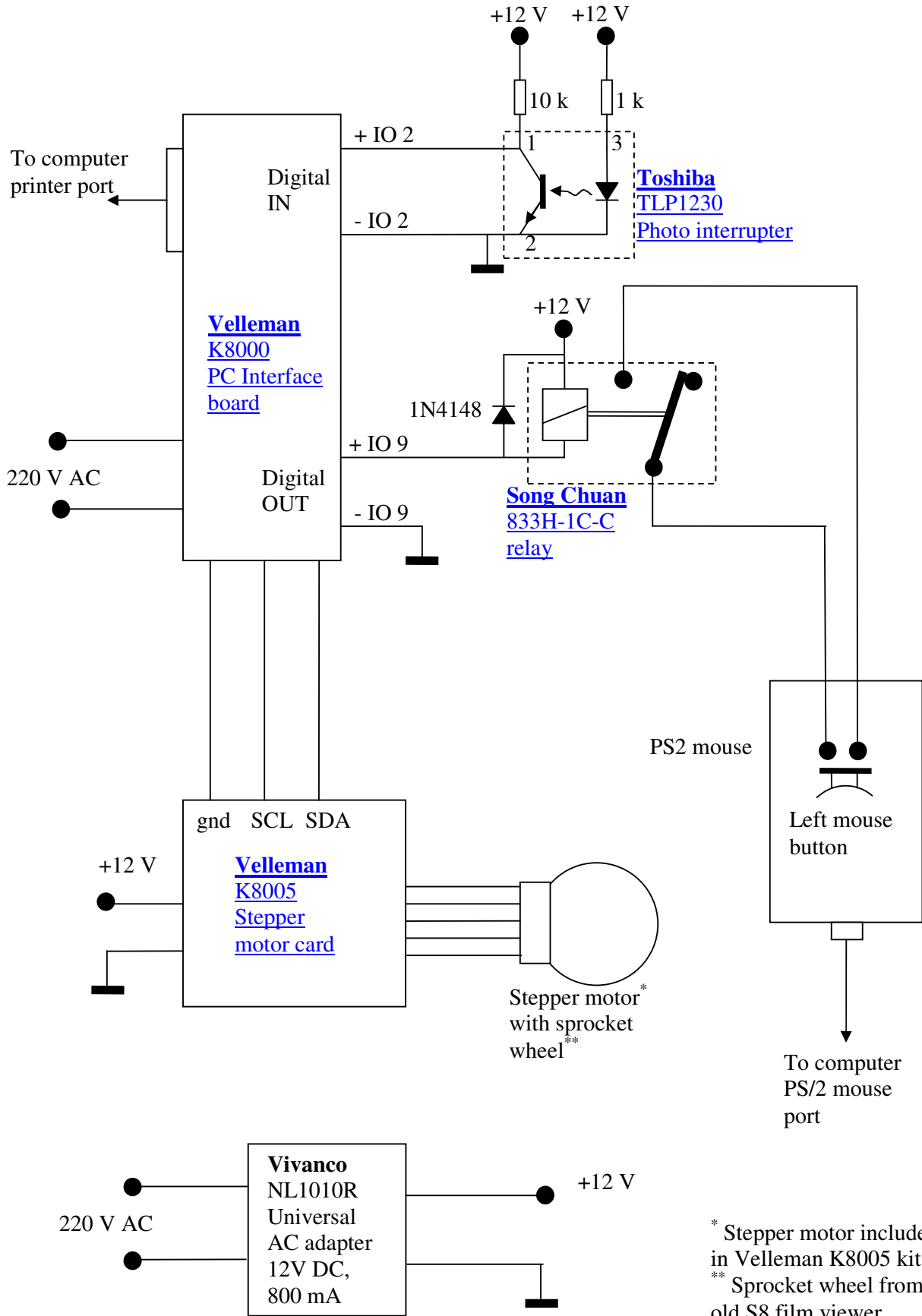
Marquee

All

Help

191.1 mm 9.9 mm 24069 x 1252 pixels 86.21 MB R: G: B:

Film transport circuitry with Velleman K8000 and K8005 kits.



* Stepper motor included in Velleman K8005 kit.
 ** Sprocket wheel from old S8 film viewer.