

A MEDIA INDEPENDENT DOCUMENT MANAGEMENT COMPANY



EYE COMMUNICATION SYSTEMS, INC.

455 E. Industrial Drive

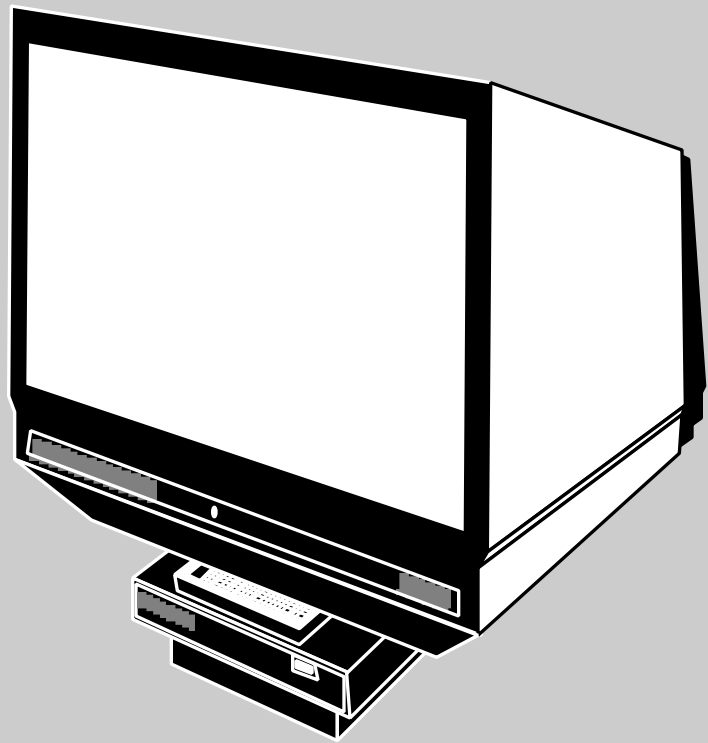
P.O. Box 620

Hartland, WI 53029 USA

(262) 367-1360 or (800) 558-2153

Fax: (262) 367-1362

www.eyecom.com



The Eye Com 7000 Dual Page Reader Operating and Maintenance Instructions

Introduction

Thank you for purchasing the Eye Com 7000 Dual Page Microfiche Reader. To ensure correct use of this equipment, please read this operating manual, and keep it for future reference.

Unpacking

1. Remove top insert and lift unit from container.
2. Remove plastic enclosure.
3. Remove tape on carrier insert, and remove insert.
4. Remove tape from carrier glass.
5. Remove warranty card from between carrier glasses. (Fill out, and return to manufacturer.)
6. Remove tape from viewing screen.
7. Remove the screen by lifting up and out using the black tabs located at the bottom of the screen.
8. Remove insert at the dual lens mechanism and from mirror bracket.
9. Remove objective lenses from small box inside the hood. (See Figure 4 for installation assistance.)
The smaller number is the high magnification.
10. Insert lenses in reader in the following manner: With lens shift lever in the "HIGH" position, insert the lowest millimeter lens, then shift to "LOW" position, and insert highest millimeter lens.
11. Replace the screen.
12. Remove tape from lamp drawer located at the rear of the unit.
13. Remove wire tie around the power cord.

Operating Instructions

1. Plug in unit and switch to either "HI" or "LO" light.
2. Center the carrier and pull the carrier forward until the upper glass opens.
3. Insert microfiche or jacket between the upper and lower glass against the rear stop, push carrier backward.
4. Focus the image by turning the focus knob located in front, directly below the viewing screen.
5. Shift the lever located below the focus knob to change from High to Low magnification.

Lamp Replacement

(Figure 1)

CAUTION: Allow lamp to cool before attempting to remove it.

1. Remove the lamp drawer located at the rear of the unit.
2. Slide the lamp upward out of its holder, and disconnect the socket.
3. Connect the new lamp to the socket, slide it into the lamp holder, and insert the drawer back into the unit.

NOTE: Be careful not to touch the bulb portion of the new lamp. Oils will decrease lamp life and dim the image. Use a 20 volt, 150 watt, DDL replacement lamp only. (GE & Sylvania brands are recommended)



Figure 1

Maintenance

Maintenance of your Eye Com reader is limited to periodic cleaning of the viewing screen, upper and lower glasses, lenses and mirrors. We recommend a monthly schedule for cleaning of these optical components using the Data Vu Cleaning Kit. If these components are not kept clean, there will be a slow deterioration of your image quality and brightness.

Carrier Glass Removal and Cleaning

(Figures 2 & 3)

1. Push the carrier backward until it stops.
2. Move the carrier to its far left position.
3. Remove the upper glass by gripping the black extrusion and lifting up and out (Figure 2).
4. Center and pull the carrier toward you until it stops.
5. Gently push the lower glass backward until it stops; it should move back about 1/4". Lift the glass up and toward you (Figure 3).
6. Clean all glass surfaces with glass cleaner and a non-abrasive cloth.

NOTE: While the carrier glass plates are disassembled, the round glass condenser lens protector may be cleaned.

NOTE: If your unit has a rollfilm attachment, see Rollfilm Attachment Operating Instructions for cleaning instructions.

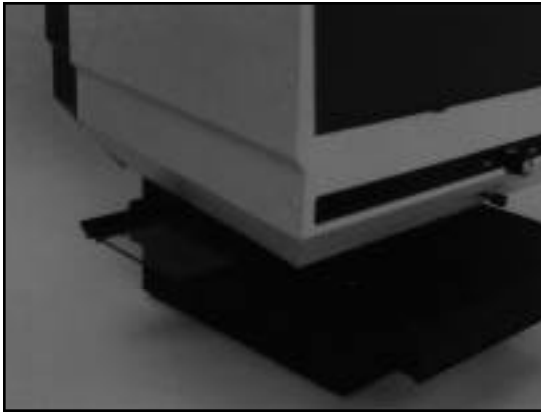


Figure 2

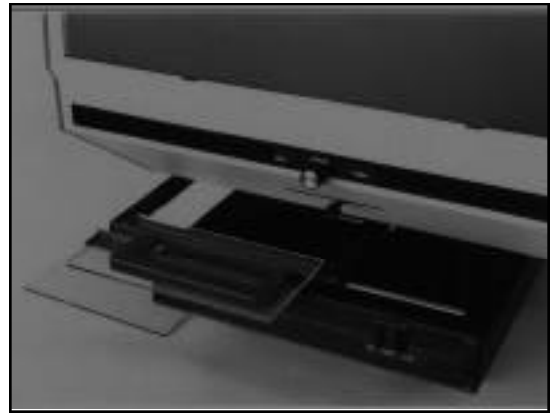


Figure 3

Viewing Screen Removal and Cleaning

1. Remove the screen by lifting it up and out using the screen tabs at the bottom of the screen.
2. Use glass cleaner and a non-abrasive cloth to gently wipe down the screen.

NOTE: *Eye Com screens are coated with a special material to provide a sharp non-glare image. Harsh solutions should not be used in cleaning as they may damage the screen.*

Objective Lens Removal and Cleaning

(Figure 4)

1. With the screen removed, the objective lens can be easily removed for cleaning (Figure 4).
2. Pivot the mirror bracket toward the rear of the unit.
3. Grasp the top of the lens and gently pull it up and out.
4. Brush loose dust and dirt from the exposed elements with a camel hair brush and wipe the elements with a non-abrasive cloth.
5. Replace the lenses into their proper barrels and pivot the mirror bracket back toward the front of the unit.

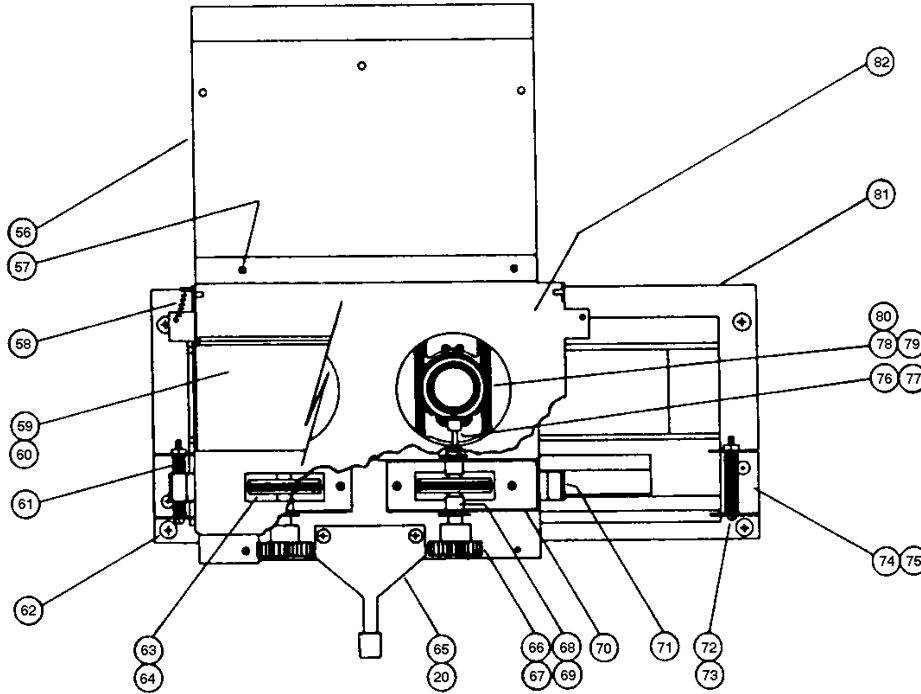


Figure 4

Mirrors

The mirrors used in all Eye Com products are “front surface coated” to give maximum reflectivity and high resolution. As these mirrors are very susceptible to scratching, use a camel hair brush to remove lint and dust. Avoid touching the mirror surfaces, body oils will mar the mirror surface. Grease and other contaminants should be removed gently with glass cleaner and a non-abrasive cloth. The brush, glass cleaner and non-abrasive cloth are included in the Data Vu Cleaning Kit.

DUAL LENS MECHANISM
Eye Com 7000 Dual Page Reader
 Refer to Parts List on Page 5



SERVICE PARTS LIST & ACCESSORIES
Eye Com 7000 Dual Page Reader

| Description | Part No. |
|---|----------|
| Lamp, 20 volt, 150 watt, DDL (Sylvania or GE brands recommended) | 2804 |
| Upper Glass Assembly 4"x 7-3/8" | 7226 |
| Viewing Screen | 2771 |
| <u>Lenses:</u> | |
| 15mm Lens (58X; 120% blowback of 48X fiche) | 1043 |
| 17mm Lens (50X; 120% blowback of 42X fiche) | 1044 |
| 20mm Lens (42X; 120% blowback of 36X flche) | 1146 |
| 22mm Lens (38X; 120% blowback of 32X flche) | 1150 |
| 29mm Lens (28X; 120% blowback of 24X fiche) | 1149 |
| Index Grid — 48X Source Document | 7028 |
| Index Grid — 42X Source Document | 7056 |
| Index Grid — 24X Source Document | 7031 |
| Dust Cover | 2751 |
| Ambient Light Shield | 7241 |
| Turntable 360° | 7078 |

PARTS LIST
Eye Com 7000 Dual Page Reader

| ITEM NO. | PART NO. | DESCRIPTION | QTY. | ITEM NO. | PART NO. | DESCRIPTION | QTY. |
|----------|----------|--|------|----------|----------|-------------------------------|------|
| 1 | 2789 | Terminal Block | 1 | 51 | 2778 | Fan Motor, 115 Volt | 1 |
| 2 | 2778 | Fan Motor, 115 volt | 1 | 52 | 2874 | Wire, 16" White | 1 |
| | 2830 | Fan Motor, 230 volt | 1 | | 2830 | Fan Motor, 230 volt | 1 |
| 3 | 2836 | Transformer 120/230 volt | 1 | 56 | 2728 | Upper C-Bracket | 1 |
| 4 | 2804 | DDL Lamp (GE &Sylvania brands recommended) | 1 | 57 | 1083 | Screw, 6-20 x 1/4 | 4 |
| | | | | 58 | 1066 | Spring | 2 |
| 5 | 2784 | Switch On-Off-On | 1 | 59 | 2736 | Upper Mirror Bracket | 1 |
| 6 | 2715 | Wire, 23" Black | 2 | 60 | 2747 | Upper Mirror | 1 |
| 7 | 2774 | Wire, 8" White | 2 | 61 | 2735 | Retainer Clip Rod | 2 |
| 8 | 2775 | Wire, 16" Red | 1 | 62 | 1078 | Screw, 6-32 x 7/16 | 4 |
| 9 | 2788 | Terminal Block Jumper | 2 | 63 | 2798 | O-Ring | 2 |
| 10 | 1708 | Cord Power GRD US | 1 | 64 | 2787 | Gear Pulley | 2 |
| | 2187 | Power Cord -European | 1 | 65 | 2740 | Shift Handle | 1 |
| | 1059 | Power Cord - Australian | 1 | 66 | 2743 | Gear | 3 |
| | 1060 | Power Cord-U.K. | 1 | 67 | 2745 | Hi Hag Gear Shaft | 2 |
| | 1061 | Power Cord -S. African | 1 | 68 | 1243 | Nyliner #5 | 4 |
| 11 | 1979 | Lamp Socket QCX34 | 1 | 69 | 1051 | E-Ring | 6 |
| 12 | 2708 | Wire, Power Cord to Switch | 1 | 70 | 2730 | Gear Bracket | 2 |
| 13 | 1070 | European/Australian/U.K. and CSA Strain Relief | 1 | 71 | 2711 | Retainer Clip | 2 |
| | | | | 72 | 1109 | Screw, 6-32 x 1-7/8 | 2 |
| 14 | 2701 | Hood Assembly | 1 | 73 | 1640 | Nut #6 | 2 |
| 15 | 2805 | Rear Shroud | 1 | 74 | 2734 | Clip Shaft Bracket | 2 |
| 16 | 7231 | 2nd Mirror Assembly | 1 | 75 | 1083 | Screw, 6-20 x 1/4 | 4 |
| 17 | 7233 | Screen Assembly | 1 | 76 | 1115 | Eccentric Universal | 2 |
| 18 | 2810 | Condenser | 1 | 77 | 1052 | Nyliner 1/16" | 2 |
| 19 | 1035 | Focus Knob | 1 | 78 | 2813 | 29mm Lens | 1 |
| 20 | 1656 | Shift Knob | 1 | | 1150 | 22mm Lens | 1 |
| 21 | 1114 | Shaft, Lower Focus | 2 | | 1146 | 20mm Lens | 1 |
| 22 | 7226 | Upper Glass Sub Assembly | 1 | | 1044 | 17mm Lens | 1 |
| 23 | 1204 | Lower Glass 4" x 7" | 1 | | 1043 | 15mm Lens | 1 |
| 24 | 7227 | Carrier Sub Assembly | 1 | 79 | 2799 | Lens Barrel | 2 |
| 25 | 7238 | Base Sub Assembly | 1 | 80 | 2731 | Lens Barrel Housing | 2 |
| 27 | 2717 | Front Panel | 1 | 81 | 2741 | Dual Lens Lift Housing | 1 |
| 28 | 2807 | Condenser Bracket #4 | 1 | 82 | 2737 | Upper Mirror Brkt. Support | 1 |
| 29 | 2704 | Bottom Plate | 1 | 83 | 2801 | Rear Slide Brkt.. Retainer | 1 |
| 30 | 2718 | Cold Mirror | 1 | 84 | 1201 | Slide Rod, Carrier | 2 |
| 31 | 2721 | Lower Mirror Bracket | 1 | 85 | 2738 | Upper Slide Rod | 1 |
| 32 | 2723 | Condenser Holder #1 | 1 | 86 | 2379 | Screw, 6-32 x 5/8 | 1 |
| 33 | 2769 | Condenser, Aspheric | 1 | 87 | 1640 | Nut #6 x 32 | 1 |
| 34 | 2776 | Heat Filter | 1 | 88 | 2750 | Grommet | 2 |
| 35 | 2781 | Heat Filter Bracket | 1 | 89 | 2746 | Focus Shaft | 1 |
| 36 | 1967 | Contact Block, Female | 1 | 90 | 1134 | Shrink Tube | 6" |
| 37 | 1968 | Contact Block, Top | 1 | 91 | 2314 | Fuse Holder | 1 |
| 38 | 1965 | Contact Block, Male | 1 | 92 | 3504 | Fuse, 3A | 1 |
| 39 | 2752 | Heat Sink Elect. Conn. | 1 | 93 | 2832 | #6-32 x 2 PPH MS Z1 | 3 |
| 40 | 2753 | Spacer Electrical Conn. | 1 | 94 | 2875 | #6-32 x 3 PPH MS Z1 | 1 |
| 42 | 1978 | Lamp Holder | 1 | 95 | 2782 | Spacer | 1 |
| 43 | 2803 | Lamp Drawer | 1 | 96 | 2787 | Transformer Shield Bracket | 1 |
| 44 | 2210 | Rubber Foot | 4 | 97 | 1984 | #4 - 40 x 3/4 PPH MS Z1 | 2 |
| 45 | 1979 | Lamp Socket | 1 | 98 | 1080 | #6 Flat Washer | 2 |
| 48 | 2150 | .25 Fully ins. Q-Dies F | 2 | 99 | 3520 | Interlock Switch Bracket | 1 |
| 47 | 1915 | Handle, Drawer | 1 | 100 | 3446 | Micro Switch | 1 |
| 48 | 2703 | Rear Plate | 2 | 101 | 3519 | Interlock Switch Mtg. Bracket | 1 |
| 49 | 2763 | Fan Mount | 2 | 102 | 3521 | Interlock SW Plunger | 1 |
| 50 | 2777 | Fan Blade | 1 | | | | |

PARTS LIST

Eye Com 7000 Dual Page Reader

