The aim of this catalogue is to demonstrate a competitively priced range of low vision aids (LVA) devices to work alongside non optical care. Not only for people who are partially sighted, but also for normally sighted people to use at work, around the home, or in leisure and hobby activities where magnification is required.

The number of people with low vision in the UK is expected to double to four million by 2050. Of the current two million, around 370,000 people are on the blind or partially sighted registers in England and Wales. It is estimated that there are 25,000 children under 16 who have a significant visual impairment. This shows that for every person on these registers there are possibly another 3 or 4 people who are unidentified but in need of low vision support.

The rise in numbers is due to various factors, including obesity, diabetic retinopathy, cataract AMD and old age. 50% of the over 90s are living with sight loss. The appropriate appliance, spectacles or a low vision aid would utilise their vision and potentially enhance their life style. As there is no cure for AMD expected in the foreseeable future, early detection, adaptation to using LVAs, and local access have never been more important.

Today there is a wide range and types of optical LVAs available to people with low vision, in various strengths, powers and designs. Many patients have a general understanding of the term magnifiers, but may not be aware of the phrase ‘low vision aids’, which includes magnifiers and specialist tints and coatings such as the PLS (UV)600 and the VISTA-MESH lens, what they are used for, and how to use them efficiently. This catalogue contains a wide range of products; wherever possible both the equivalent power and magnification are stated. In the majority of cases the magnification stated is nominal magnification.

LVA devices can also take the form of a non-optical format, eg. anti-glare filters, electronic LVA devices like Close Circuit Television (CCTV) or video magnifiers. These electronic devices have recently developed significantly and can provide features and performance not possible with conventional appliances. All have the same purpose: to increase the size of an image and make things easier to see.

It is important that people with low vision make the best use of their sight; magnifiers and other low vision devices enable them to see and do everyday tasks more easily and to lead independent lives.
GLOSSARY OF TERMS

A simple explanation of some of the technical terms used.

**AMD** ............ Age-related macular degeneration (also called ARMD), the most common cause of sight impairment in later life.

**Ametropia** ........ In need of spectacle correction, this term covers astigmatism, long and short sightedness.

**Aspheric** ........ A complex surface curve used to minimise lens aberrations.

**Bi-aspheric** ........ Bi-aspheric means an aspheric curve applies to both surfaces.

**Field of view** ........ How wide an area you can see, e.g. how many words on a page you are able to see with each magnifier.

**Focal length** ........ Decided by the power of the lens, it is shorter for stronger lenses. It is the distance at which the lens focuses light from a source.

**LED** ............. Light emitting diode (a type of light source giving a white light).

**Lens aberrations** ........ These are the annoying curving, distorting and rainbow effects seen at the edges of a magnifier.

**Lens aperture** ........ The diameter of the lens.

**Low vision** ........ An eye care professional who specialises in assessing sight impaired users and prescribes magnifying aids, usually an optician.

**LVA** ............... Low vision aid.

**Presbyope** ........ A person who has normal sight but has reached the stage of middle & presbyopia age where reading glasses are needed, a normal part of the ageing process in the eye.

**Residual vision** ........ The vision that a sight impaired person has left (or Remaining vision).

**Task lighting** ........ Having a lamp close to and pointing at what you are looking at. A specialist lamp used for near or close-up tasks.

**Working distance** ........ The distance between your eye and the thing you are looking at.
BI-CONVEX HAND HELD MAGNIFIER
Transparent plastic frame, lightweight lens. Magnifiers c, d, e and h have an additional lens in the handle.

- **a** 261465 65mm 3x
- **b** 261480 80mm 2.5x
- **c** 2612401 40mm 3.2x
- **d** 2612601 60mm 2.5x
- **e** 2612801 80mm 2.25x
- **f** 2614150 100 x 50mm 2x
- **g** 2614840 80 x 40mm 2.5x
- **h** 26129501 90 x 50mm 2x

OMEGA BIFOCAL HAND HELD MAGNIFIER

- **a** 1110-P 50mm 3x/4.5x
- **b** 1120-P 65mm 2.5x/4x
- **c** 1130-P 75mm 2x/4x
- **d** 1140-P 90mm 2x/4x
- **e** 1150-P 100mm 2x/4x

COMPACT HAND
Lightweight design with ergonomic handle, plastic bifocal lens.

- **a** 1550-P 75mm 2x and 4x

PREMIERE HAND HELD MAGNIFIER

- **a** 1421 65mm 3x
- **b** 1431 75mm 2.5x
- **c** 1441 90mm 2.5x
- **d** 1451 100mm 2x
- **e** 1461 115mm 1.8x

RECTANGULAR HAND HELD MAGNIFIER

- **a** 1510 40 x 75mm 2.5x
- **b** 1520 45 x 90mm 2.5x
- **c** 1530 50 x 100mm 2x

ASPHERIC OMEGA HAND HELD MAGNIFIER
Plastic frame. Aspheric hardcoated plastic lens.

- **a** AS-14 90mm 3.5x

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APLANATIC
Ergonomic shape handle for comfortable grip. Special lens design which is distortion free right up to the edge.

- a 2668950 90 x 50mm 2.7x
- b 266860 90 x 60mm 3.8x
- c 266875 90 x 75mm 2.9x
- d 266850 90 x 50mm 4.5x

SHEET MAGNIFIERS
Flat sheet Fresnel magnifiers. Protective case included with a & b.

- a 184 55 x 85mm 3.5x
- b 019 78 x 150mm 2x
- c 020 215 x 280mm 2x

HAND/STAND MAGNIFIER
Lightweight design with ergonomic handle.

- a 2031 100 x 50mm 2.6x
- b 2032 100 x 75mm 2.8x
- c 2034 75 x 50mm 3.5x
- d 2036 100 x 50mm 2.6x
- e 20501 60mm 2.5x

NEW DESIGN
MOBILUX LED
This new design is lightweight with an ergonomic handle, a large light switch and white LED light. Scratch resistant aspheric lenses. Protective case.

- a 15112 60mm 3x
- b 15113 75 x 50mm 3.5x
- c 15114 60mm 4x
- d 15115 58mm 5x
- e 15117 35mm 7x
- f 151110 35mm 10x
- g 151112 35mm 12.5x

ILLUMINATED MAGNIFIER
Plastic bodies with glass lenses on a, b and d. Plastic lens with D shape bifocal on c. Battery powered illumination.

- a L170 90mm 2.5x
- b L150 65mm 3x
- c L170-P 90mm 2x/4x
- d HL60 60mm 3x

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NEWS READER 1000 NEW
Fresnel magnifier in mount with hand grip. Main lens 168 x 119mm, x2 magnification with x4 round 34mm inset portion
POWERLUX NEW
Available in two different light temperatures. Two opposed position LEDs give shadow-free illumination. Auto switch off function.

- a 158614 58mm 3.5x 8000k (cold light)
- b 1586141 58mm 3.5x 3000k (warm light)
- a 158620 58mm 5x 8000k (cold light)
- a 1586201 58mm 5x 3000k (warm light)
- a 158628 58mm 7x 8000k (cold light)
- a 1586281 58mm 7x 3000k (warm light)

MENAS LUX ILLUMINATED STAND NEW
Ultra flat design with large visual field. Integral illumination.

- a 143830 63mm 3x
**STAND**
Metal base with glass lens.
- **a** 1630 75mm 2.5x

**MINI STAND**
Mini glass lens mounted on small metal base.
- **b** 7030 28mm 10x

**FLEXISTAND**
Glass lens on flexible arm mounted on metal base.
- **c** 1650 90mm 2.5x

**G-CLAMP FLEXI**
Metal construction with glass lens on flexible arm with G-clamp.
- **d** 1780 130mm 1.8x

**GOOSE NECK**
Plastic easibend gooseneck mounts. Hard coated plastic lens with D segment.
- **a** 1720-PC 100mm 2x/4x Bifocal lens
- **b** 1720-PS 100mm 2x/4x Bifocal lens
- **c** 1730 140 x 193mm 1.8x Fresnel lens

**WIDE VIEW STAND**
Hard coated plastic lens with additional 4x and 7x magnification lenses.
- **a** 1795 110 x 145mm 1.8x

**EMBROIDERY**
Plastic hard coated lens with D shape bifocal.
- **a** 6500P 100mm 2x/4x

**BOOKSTAND MAGNIFIER DZ5**
Adjustable angle and focal distance with page grip, Size: 250 x 300mm, 1.8x Fresnel lens
- **a** DZ5 1.8x

**VTM LINE READER & VTM CLEAR READER**
The Clear VTM reader has darkened edges and clear centre section for increased contrast, where the VTM Line reader has a reading line to align with text. Either style is available in red or blue, has a durable soft grip surround and comes complete with a protective sleeve.
- **a** 110mm 1.1x Clear
- **b** 110mm 1.1x Reading line

**DIRECTORY**
Pearl line. Protective sleeve included.
- **a** 750 25 x 150mm 2x

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**PAPERWEIGHT**
Glass lens in swivelling metal mount.

- b 1870 65mm 3x

**DESK LENS**
Clear sided magnifier maximising natural light. Glass or plastic.

- a 1880 Glass lens 60mm 5x
- b 1885 Plastic lens 50mm 4x

**METAL POCKET**
Glass lenses in a metal swivel body. Storage pouch included. Leather pouch on c.

- a 7060 25mm 8x
- b 7070 20mm 3x / 4x / 5x (3 lenses)
- c 7090 15mm 20x Achromatic lens

**FOLDING POCKET**
Glass lens folding into rigid protective sleeve.

- a 171014 35mm 4x
- b 171067 35mm 7x
- c 1710910 35mm 10x

**SLEEVE POCKET**
Glass lens folding into metal protective sleeve. Leather sleeve on c.

- a 3120 45mm 3.5x
- b 3122 65mm 3x
- c 3135 50mm 3.5x
- d 3180 45 x 65mm 2.5x

**DESK LOUPE**
Glass lens, plastic mount.

- a 1830 75mm 3x

**SLEEVE POCKET**
Glass lens folding into metal protective sleeve.

- c 7950 36mm 4x
- d 7960 36mm 4x / 4x

**TWEEZERS WITH MAGNIFIER**
Storage pouch included.

- a 1960 30mm 4.5x

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LINEN TESTER
Scale marked in mm and 1/8th inch up to 25mm. Metal construction with glass lens.

- **a** 7550  6x

SCALE LOUPE
Glass Achromatic lenses. Removable scale on b, c and d.

- **b** SL7A  7x Scale 0-20mm in 0.1mm steps
- **c** SL10  10x Scale 0-10mm in 0.2mm steps
- **d** SL15  15x Scale 0-6mm in 0.1mm steps

PENDANT
Glass lens in silver or gold colour mount. Presentation case included.

- **a** 323S  35mm  4x Silver
- **b** 323G  35mm  4x Gold

WATCHMAKERS EYEGLASSES
Glass lenses in plastic mounts.

- **a** 7300  15mm  10x
- **b** 7210  23mm  4x
- **c** 7220  23mm  5x
- **d** 7230  23mm  6x

LORGNETTE PENDANT NEW
Glass lens in acetate mount. Presentation case and soft drawstring bag included.

- **a** 330-3.5K  3.5 dioptres Khaki frame, silver chain
- **b** 330-2.5OR  2.5 dioptres Sherry frame, gold chain

MONOCULAR
Closed size: 70mm. Rubber eyecup.

- **a** Evolution 40  4x 12  16cm – Infinity
- **b** Evolution 50  5x 10  25cm – Infinity
- **c** Evolution 60  6x 16  25cm – Infinity

TELESCOPIC AID KM-820
Closed size: 95mm. Rubber eyecup. Strap loop.

- Shortest focus: 30cm at 11x
- Infinity at 8x
- Field of view: 12m at 100m
SPECTACLE BINOCULAR
Hard case and cleaning cloth included.

a HF10B  2.5x

CLIP-ON BINOCULAR
Hard case and cleaning cloth included.

b HF20B  2.5x

CLIP-ON SPECTACLE TELESCOPE
Achromatic Keplerian telescope. Convenient clip to attach to the user's glasses. Focuses from 12" to infinity.

a MC282RC  28mm  2.8x

HEAD BINOCULAR
1.8x fixed lens, plus 2.5x flip up lens to give total of 3.3x

a BM110  1.8x/2.5x

ADDITIONAL HIGH POWER LENSES
b BM100 B1  2.3x, BM100 C1  2.7x, BM100 D1  3.5x

MEGAVIEW MG20
Lightweight and comfortable, unit consists of four interchangeable, hard coated acrylic lenses. LED illumination, adjustable headband.

- 2x, 2.5x, 3x, and 4x monocular.
- Focal Length: 280mm, 200mm, 140mm, 65mm.
- Takes 3 AAA batteries

MEGAVIEW MG3
Unit consists of three interchangeable, hard coated acrylic lenses.

- 2x, 2.5x, 3x
- Focal Length: 300mm, 250mm, 150mm.
**PEBBLE**
- Adjustable magnification of 2x to 10x
- Lightweight 7.7 ounce design
- 3.5” high resolution LCD display
- Adjustable brightness
- Easy-to-use tactile controls
- 6 viewing modes

**AMIGO**
- Slim (less than 2”) and lightweight (1.3 lbs.)
- Digital magnification from 3.5x to 14x
- Large field of view
- Large viewing screen - 165mm
- Removable standard battery with internal charger (spare battery included)
- 6 viewing modes, including 2 Colour Select options
- Writing stand and Carrying Case
- Connects with TVs for increased magnification
- Freeze frame function.

**LOOKY**
- Can be used at home, at work, at school or out and about
- LCD display 3.5 inches
- Magnification between 3 and 8 times
- Only 200 grams
- Folding handle
- User-friendly - only 2 buttons
- Camera in the middle of the monitor, so you see immediately what you want to examine
- Easily adjusted to a position which aids the user in writing
- Equipped with rechargeable batteries. Also works with regular batteries
- A handy carrying case with a free key cord
- Full colour, black/white or white/black modes
- Freeze frame function. This enables the user to freeze the image on the LCD screen, making viewing easier.

**COMPACT+**
- Single button controls magnification and viewing modes
- Snapshot button takes a temporary picture
- 5x, 7.5x and 10x Magnification
- 4.3 inch LCD Screen
- 5 viewing modes
- Collapsible handgrip for extra support
- Mains adaptor, rechargeable batteries, neck cord & carrying pouch all included.

**MAX**
For a powerful and affordable digital magnifier that is simple to use, look no further than Max. Use this lightweight, hand-held portable device on any straight or curved surface to magnify images and text from 15x to 28x! Move Max over books, newspapers, magazines or even medicine labels and read with ease. Max connects quickly to any TV or monitor and is ideal for use at work, school or even on holiday.

Tel: 01452 510321 • Fax: 01452 510331
Email: sales@norville.co.uk