

May 14, 2019  
HOYA SURGICAL OPTICS

**HOYA MW10 HiKARI, Scotopic Vision Eyeglass-type Wearable Device, will be additionally equipped with Wide-angle Camera Lens, beginning May 21, 2019**

HOYA SURGICAL OPTICS (hereinafter "HSO") has, since April 2018, been marketing scotopic vision eyeglass-type wearable device HOYA MW10 HiKARI, aimed at assisting individuals who, because of nyctalopia (night blindness), have difficulty seeing things in dark places. To commemorate the first anniversary of release, HSO has decided to additionally offer wide-angle camera lens, aimed to support the users' field of vision.

The product is an eyewear-type wearable device that displays an image, captured by HSO's originally-developed compact, low-light high-sensitive camera, on an organic EL monitor screen immediately in front of the wearer's eyes as a bright picture. By wearing the device, individuals with nyctalopia (night blindness) become able to see objects in their natural color, even in dark places.

Standard camera lens that has traditionally been loaded on the device is able to display, on a monitor screen, images seen with an approximately 27-degree visual field of the naked eye. The newly-added wide-angle camera lens will be able to display, on the monitor screen, images seen with an approximately 142-degree visual field. Because of this, the wide-angle camera lens is effective for assisting the visual fields of people suffering from visual field constriction, whether in bright or dark places. By using this camera lens, even individuals with visual field constriction can obtain even greater amounts of visual information within their own fields of vision. Wearers are expected to find the device even more convenient by using conventional standard camera lens and wide-angle camera lens differently for different purposes or environment.

HSO will also be offering these newly-added wide-angle camera lens free of charge for a limited period, to customers who have purchased the device after its launch in April of last year. At the same time, HSO will also update the software. These services will be carried out from June 1 to September 30, 2019, so please contact the sales stores where you have purchased the product.

The manufacturer's suggested retail price of HOYA MW10 HiKARI, after the addition of a wide-angle camera lenses, remains unchanged at 395,000 Japanese Yen (excluding consumption tax). The existing types came with a total of five body colors, namely, two base colors and three optional colors (with additional fees). This time, HSO narrowed them down to three popular colors (black, navy blue and gray), and offer the products at the same price for all three colors.

As of May 14, 2019, the device is being sold at 30 facilities throughout Japan. Seven facilities also offer wearing experiences for people who wish to try using it.

HSO recommends that you consult an ophthalmologist at ophthalmological clinic before purchasing HOYA MW10 HiKARI. You may visit HOYA MW's exclusive website (<http://hmwpj.com>) or contact the HOYA MW Call Center (phone number: 0570-003-487; weekdays from 10:30 a.m. to 5:00 p.m.) for information and inquiries on ophthalmological clinics having the experience of using the device, as well as the product's detailed explanations, specifications, sales stores, etc.



#### **About HOYA**

Founded in 1941 in Tokyo, Japan, HOYA is a global med-tech company and the leading supplier of innovative high-tech-end and medical products.

HOYA is active in the fields of healthcare and information technology providing eyeglasses, medical endoscopes, intraocular lenses, optical lenses as well as key components for semiconductor devices, LCD panels and hard drives.

With over 150 offices and subsidiaries worldwide, HOYA currently employs a multinational workforce of 37,000 people. For more information, please visit <http://www.hoya.co.jp>.

**HOYA SURGICAL OPTICS** is a division of the HOYA Group that develops, manufactures and markets intraocular lenses – artificial crystalline lenses that are inserted into the eye following removal of crystalline lenses that have become cloudy due to the cataracts.