KOWA nonmyd Wx3D
RETINAL CAMERA

A new concept retinal camera with "SSP", Simultaneous Stereoscopic Photography.

Three photography modes to select from: Normal, SP (Small Pupil), and Stereo.
### 2D - Normal -

**Normal**  
Field angle: 45°

Kowa's exclusive optical design in combination with the digital SLR camera delivers extremely detailed retinal images. The integrated 9-points internal fixation light system allows for mosaic photography.

### 3D - Stereo -

**Stereo**  
Field angle: 34° (20° x 27°)

Photography  
Instant and simultaneous 3D photography is possible in 1-shot. Stereoscopic images are captured without the camera shifting.

Retinal observation on 3D images  
The shape of the optic disc and cup can be viewed on a 3D image.

- Switch between the parallel and cross viewing methods with 1-click when viewed on a 2D monitor.

Time sequential movie  
The chronological change of the shape of the optic disc and cup can be viewed on a moving image.

### Specifications

<table>
<thead>
<tr>
<th>Photography modes</th>
<th>Normal / SP / Stereo (electrically switched)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Stereoscopic photography method</td>
<td>Simultaneous stereo photography</td>
</tr>
<tr>
<td>Stereo photography parallax</td>
<td>7.4° (at the 0 dioptr eye)</td>
</tr>
</tbody>
</table>
| Field angle | Normal: 45°  
SP: 45°  
Stereo: 34° (20° x 27°) |
| Working distance | 30 mm |
| Minimum pupil size | Normal mode: >0.4 mm  
SP mode: >0.3 mm  
Stereo mode: >0.0 mm |
| Compensation range of examined eye | Without compensation: -12 D --+13 D  
Compensation = -12 D --+10 D  
Compensation = -10 D --+8 D |
| Focusing | Split luminous bars coincidence |
| Working distance adjustment | 2 luminous dots indication type |

Camera  
Specific Nikon digital SLR camera

<table>
<thead>
<tr>
<th>Camera</th>
<th>Specimen Nikon digital SLR camera</th>
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</thead>
<tbody>
<tr>
<td>Monitor</td>
<td>5.7 inch LCD</td>
</tr>
<tr>
<td>Internal fixation light</td>
<td>Central Disc, Macula, mosaic 8 positions</td>
</tr>
<tr>
<td>External fixation light</td>
<td>Red light (option)</td>
</tr>
</tbody>
</table>
| Optical head base adjustment range | Forward/Backward: 40 mm  
Leftward/Rightward: 88 mm  
Vertical (electric): 27 mm |
| Chin rest adjustment range | 65 mm (electric) |
| Interface | USB |
| Power supply | Input: AC100-240 V  
50 / 60 Hz  
Power consumption: 150 VA |
| Dimensions | 310(W) x 504(D) x 84 mm |
| Weight | 21 kg / 46 lbs  
(excluding the attached digital SLR camera) |

Images of the monitor are compositions.  
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Specifications and appearances are subject to change without notice.

Distribution name: KOWA nonmyd WX