**AFC-330 Specifications**

<table>
<thead>
<tr>
<th><strong>Main Body</strong></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Type</strong></td>
<td>Non-mydriatic Automated Fundus Camera</td>
</tr>
<tr>
<td><strong>Image in focus</strong></td>
<td>AFC-330 35 mm, 1/3&quot; charged coupled device (CCD)</td>
</tr>
<tr>
<td><strong>Working distance</strong></td>
<td>45.7mm (from objective lens to cornea)</td>
</tr>
<tr>
<td><strong>Minimum pupil diameter</strong></td>
<td>3.3mm (in small-pupil photography mode)</td>
</tr>
<tr>
<td><strong>Dioptric compensation</strong></td>
<td>-33 to +35 D total for patient’s eyes</td>
</tr>
<tr>
<td></td>
<td>-33 to -7 D with minus dioptric lens</td>
</tr>
<tr>
<td></td>
<td>-12 to +15 D with no dioptric lens</td>
</tr>
<tr>
<td></td>
<td>+11 to +35 D with plus dioptric lens</td>
</tr>
<tr>
<td><strong>Focusing method</strong></td>
<td>Infrared focus split alignment</td>
</tr>
<tr>
<td><strong>Light source</strong></td>
<td>For observation: Halogen lamp 12V 50W</td>
</tr>
<tr>
<td></td>
<td>For photography: Xenon flash lamp 300W</td>
</tr>
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<td><strong>Flash intensity</strong></td>
<td>17 levels from F1 (F4.0 +0.8 EV) to F17 (F16 +0.8 EV) 0.5 EV increments</td>
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<td><strong>Camera</strong></td>
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<td><strong>Display</strong></td>
<td>Tiltable 8.4-inch color LCD touchscreen</td>
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<td><strong>Interface</strong></td>
<td>LAN, USB 2.0</td>
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<td><strong>Dimensions • Mass</strong></td>
<td>316mm (W) x 518mm (D) x 579mm (H) • 29 kg</td>
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The AFC-330’s advanced X-Y-Z eye tracking takes the best possible picture every time regardless of the operator’s skill level, and typically in less than 5 seconds. Many automated features simplify the most advanced functions, such as automated stereo pairs and automated multiple field imaging. The AFC-330 delivers improved efficiency in time, space, and patient comfort. The lower flash intensity, sound dampened mechanical movements, automatic small pupil mode, and blink detection make for consistent results and fewer retakes. The integrated high resolution sensor and internal PC eliminates complicated cabling and allows the AFC-330 to stand alone without a connected PC or laptop in the same location. The AFC-330 can automatically export information across a network, to a USB device, or directly to the NAVIS-EX™ data management software. NAVIS-EX provides features that augment the diagnostic capabilities of the AFC-330.
The AFC-330 is equipped with numerous command calculations per second. Only this level of automation can account for the accuracy and operational speed of the camera – the essential foundation of practice efficiency. The Advanced Fundus Camera

The AFC-330’s automated functions break new ground in fundus imaging technology with focus on capturing the perfect picture every time. Regardless of operator experience or skill level, the AFC-330 renders numerous command calculations per second. Only the level of automation can account for the accuracy and operational speed of the camera – the essential foundation of practice efficiency.

Three-Dimensional Automatic Alignment

• AutoAlign – patient movements are detected and followed automatically
• AutoCapture – when optimal conditions are met, the photo is acquired

Being equipped with the level of sophistication, the AFC-330 is able to align and automatically switch from anterior to posterior focusing.

Modern Design

The large color touchscreen on the AFC-330 places all functions at the operator’s fingertips with intuitive menus and icons. Exam type, patient selection, database edits, and image review can all be accessed on the AFC-330’s screen.

Available modes include:

• Autocapture – for maximum ease of use
• Autostereopair – patient movements are detected and followed automatically
• Autotrack – patient movements are detected and followed automatically
• Autostereo – when optimal conditions are met, the photo is acquired

The AFC-330 tracks and adjusts to patient movements automatically. Patient comfort.

The AFC-330 improves efficiency in time, space, and patient comfort. The lower flash intensity and sound-dampened mechanical movements, along with automatic black and pupil measurements, make for a more pleasant experience for both doctor and patient. It is arguably one of the fastest automatic retinal cameras available with an exposure time of less than the seconds.

• Low-light photographic mode with reduced flash intensity
• Quiet operation reduces patient anxiety, squinting, and blinking
• High-speed image capture
• Optimized flash for superior patient comfort

One of the fastest automatic retinal cameras available with an exposure time of less than the seconds.

Performance and Versatility

The speed and simplicity of the AFC-330 make for the perfect picture every time.

• Rapid processing and automated functions
• Examine at the device for patients and staff
• Error-compensated image
• Error-free data transmission errors
• Space-saving design
• Rapid processing and automated functions
• Full review at the device for patients and staff
• Error-compensated image
• Error-free data transmission errors

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The AFC-330 improves efficiency in time, space, and patient comfort. The large color touchscreen on the AFC-330 places all functions at the operator’s fingertips, making numerous command calculations per second. Only this level of automation can account for the accuracy and operational speed of this camera – the essential foundation of practice efficiency.

**Functional Simplicity**

- **AutoFocus**
  - For maximum ease of use with advanced features that enhance the management of retinal diseases, such as glaucoma and diabetic retinopathy.

- **AutoTrack**
  - Patient movements are detected and followed automatically.

- **AutoSwitching**
  - For maximum ease of use with advanced features that enhance the management of retinal diseases, such as glaucoma and diabetic retinopathy.

- **AutoCapture**
  - AutoSwitching
  - AutoFocus
  - AutoTrack

- **Panorama Mode**
  - For multi-field, wider-angle imaging

- **Stereo Mode**
  - For consistent and precise stereo pairs

- **AutoPanoramic Imaging**
  - Patient position during retinal focusing can be monitored automatically as glaucoma and diabetic retinopathy.

- **AutoStereo Pairing**
  - Makes for the perfect picture every time with fewer retakes and happier patient flow.

- **AutoMontage**
  - Makes for the perfect picture every time with fewer retakes and happier patient flow.

- **AutoSwitching**
  - For maximum ease of use with advanced features that enhance the management of retinal diseases, such as glaucoma and diabetic retinopathy.

**Operational Efficiency**

- **Performance and Versatility**
  - The speed and simplicity of the AFC-330 provides more accurate data, faster scans, and no need for retakes, elevating the patient’s experience.

- **Rapid processing and automated functions**
  - Makes for the perfect picture every time with fewer retakes and happier patient flow.

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**Benefits of Advanced Automation**

- **AutoAlign**
  - Alignment and automatically switch from anterior to posterior focusing.

- **AutoFocus**
  - To align and automatically switch from anterior to posterior focusing.

- **AutoTrack**
  - Patient movements are detected and followed automatically.

- **AutoCapture**
  - AutoSwitching
  - AutoFocus
  - AutoTrack

- **Panorama Mode**
  - For multi-field, wider-angle imaging

- **Stereo Mode**
  - For consistent and precise stereo pairs

**Software Solutions**

- **Developer Kit NAVIS-EX**
  - A fully networkable data management system with features that enhance the diagnostic utility of the AFC-330’s images. NAVIS-EX allows seamless integration with most EMR systems.

- **LAN Connectivity**
  - Allows for seamless integration with most EMR systems.

- **Seamless Connectivity**
  - A fully networkable data management system with features that enhance the diagnostic utility of the AFC-330’s images. NAVIS-EX allows seamless integration with most EMR systems.

- **Stand-alone device**
  - A fully networkable data management system with features that enhance the diagnostic utility of the AFC-330’s images. NAVIS-EX allows seamless integration with most EMR systems.

- **LAN connection with JPEG and XML output**
  - Allows for seamless integration with most EMR systems.

- **USB 2.0 storage media, printer**
  - Allows for seamless integration with most EMR systems.

- **Stand-alone device**
  - A fully networkable data management system with features that enhance the diagnostic utility of the AFC-330’s images. NAVIS-EX allows seamless integration with most EMR systems.

**Data Management Flexibility**

- **The AFC-330 provides multiple data management solutions for any practice.**
  - Space-saving design
  - No need for an additional PC in the screening area.

- **Stand-alone device**
  - A fully networkable data management system with features that enhance the diagnostic utility of the AFC-330’s images. NAVIS-EX allows seamless integration with most EMR systems.

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The Advanced Fundus Camera
The AFC-330 automatic function breaks new ground in fundus imaging technology with focus on capturing the perfect picture every time, regardless of operator experience or skill level. The AFC-330 makes multiple computational calculations per second. Only the level of automation can account for the accuracy and operational speed of this camera – the essential foundation of practice efficiency.

Three-Dimensional Automatic Alignment
• Auto-Track— patient movements are detected and followed automatically
• Auto-Pair— where optional movements are not, the photo is acquired
Being equipped with the level of sophistication, the AFC-330 is able to align and automatically switch from anterior to posterior focusing.

The AFC-330 delivers unsurpassed ease of use with advanced features that enhance the management of retinal diseases, such as glaucoma and diabetic retinopathy. Available modes include:

• Autostatus—on or off
• Autostereo—on or off
• Auto-switching—on or off
The image interval indicator displays the time lapse between photos as well as pupil-size reticle. In both automatic and manual modes the AFC-330 provides the operator with on-screen directional indicators. The anterior/rear center ensures patient position during retinal focusing.

Modern Design
The large color touchscreen on the AFC-330 places all functions at the operator’s fingertips with intuitive menus and icons. From trip-, patient selection, dual-field, and image review all is possible on the AFC-330 screen.

Performance and Versatility
The speed and simplicity of the AFC-330 mediate more accurate data, faster exams, and less need for retests, elevating the patient’s experience.

The AFC-330 tracks and adjusts to patient movements automatically

AutoPanoramic Imaging
Seven fields, performed with automatic fixation adjustments

All in One
The integrated high-resolution imaging sensor and internal PC eliminate complicated cabling, allowing the AFC-330 to communicate via LAN without the need for an external PC in the screening area, thereby minimizing office space.

Operator Guidance Features
The AFC-330 possesses the most advanced automated features while prioritizing the manual override features for certain clinical needs. All automated features can be set as fully automatic, semi-automatic, or fully manual modes of operation.

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<td>Type</td>
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