Lumenis Array™ LaserLink™
Pattern Scanning Laser Technology
With Unique Heads Up Display the Physician does not Lose Sight of the Patient’s Retina

Heads Up Display
Heads up display shows changes of settings as text on the retina, seen through the oculars of the slit lamp.

3D Micromanipulator
The Array 3D Micromanipulator allows the adjustment of laser power, number of spots, titrate mode and micromanipulation of the laser beam - all in the palm of your hand.

Intuitive Touch Screen
Intuitive touch screen duplicates the functions of the laser’s remote control. The fully adjustable monitor can be set on either side of the slit lamp. It is easily reached and visualized for treatment set up and during the procedure.
Pattern Scanning Laser Technology

Pattern Scanning Laser can reduce photocoagulation treatment time by as much as 60%.

Pattern scanning laser provides enhanced uniformity of laser application, shorter treatment time, and less discomfort to the patient.

The Array™ LaserLink™ offers pattern scanning capabilities compatible with Lumenis laser systems and popular slit lamps, versatility of wavelengths, various adjustable patterns and a range of laser spot sizes.

Compatibility

**Links with Lumenis lasers:**
- Vision One
- Novus Spectra

**Attaches to most popular slit lamps:**
- Lumenis 980
- Zeiss SL130
- Zeiss 30SL

Versatility

With Lumenis multi-wavelength technology, Array™ delivers any of the following wavelengths:
- Green: 532 nm
- Yellow: 577 nm
- Red: 659 nm

**Array treatment options:**
- Single spot
- Pulse mode
- Various patterns

Array™ offers a range of laser spot sizes from 50 µm to 1000 µm in single spot mode, and 100 µm to 500 µm in pattern scanning mode.

Sensibility

- Intuitive touch screen
- Custom 3D micromanipulator
- Heads up display, shows important parameter changes as text on the retina
- Frame mode displays a precise outline in the area the pattern will be administered
- Titrate mode is used to establish appropriate pattern laser parameters with a single spot
- Contact lens menu lists commonly used lenses for calculation of laser spot size on the retina
- Spot size on retina tells doctor actual parameter of treatment

Risks and warnings: Array is intended solely for use by trained physicians. It is contraindicated for eyes with severe media opacities. Risks include increased macular edema and bleeding in areas of neovascularization. Refer to the operator manual for a complete list of intended use, contraindications and risks.

Array™ LaserLink™
Keeps the Target in View

Maintain Focus on the Patient

**Eyes Forward Control**
Control and verify treatment parameters without moving from the slit lamp oculars or losing sight of the target retina

**Unique Array 3D Micromanipulator**
- Controls laser parameters and micromanipulation
- Adjustable for left or right hand use

**Heads Up Display**
- Confirms changes to treatment parameters
- Displays text on the retina
- Modified parameters are projected as text onto the retina

**Intuitive Touch Screen**
- Fully adjustable monitor
- Is easily reached and visualized for treatment set up and procedure
Customize Treatment to Meet the Patient and Physician Needs

**Continuous Variable Spot Size**
- Single spot from 50 μm to 1000 μm
- Pattern mode from 100 μm to 500 μm
- Customized treatment for the particular disease state and tissue response

**Variety of Adjustable Patterns**
Includes single spot and six types of patterns:
- Square: 2 to 5 spots per edge
- Line: 2 to 5 spots per line, up to 4 lines in shape
- Triangle: 3 or 5 spots per edge
- Circle: Single adjustable ring
- Quarter of a circle: 1 or 3 adjustable arcs
- Half of a circle: 1 or 3 adjustable arcs

**Selectable Spot Spacing**
- For a circle, from 0-3 times the spot diameter
- For other patterns, from 0.25-3 times the spot diameter

**Next Generation ClearView™ Filters**
- Utilizes photopic balanced coating to eliminate color distortion
- Optimizes white light transmission or “brightness” of the physician’s view

**Patented SureSpot™ Optics**
- Ensures that the focal point of the laser beam is maintained on the retina
- Minimizes power density on the cornea and lens for increased safety

**Up to 5 Preset Protocols**
- Retains favorite settings in memory
- Includes settings such as fundus lens selection, laser power, spot size, spot spacing, number of spots and duration
Lumenis Array™ LaserLink™ Specifications

Patterns

<table>
<thead>
<tr>
<th>Patterns</th>
<th>Single spot, square, line, triangle, circle, quarter circle, half circle</th>
</tr>
</thead>
</table>

Spot Size

<table>
<thead>
<tr>
<th>Spot Size</th>
<th>Single spot: 50, 100, 125, 150, 175, 200, 250, 300, 400, 500, 1000 µm</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>3-ring quarter circle and 3-ring half circle: 100 µm and 200 µm</td>
</tr>
<tr>
<td></td>
<td>Other Patterns: 100, 125, 150, 200, 250, 300, 400, 500 µm</td>
</tr>
</tbody>
</table>

Spot Spacing

<table>
<thead>
<tr>
<th>Spot Spacing</th>
<th>Single-ring circle: x 0.0, 0.25, 0.50, 0.75, 1.00, 1.50, 2.00, 2.50, 3.00</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Other patterns: x 0.25, 0.50, 0.75, 1.00, 1.50, 2.00, 2.50, 3.00</td>
</tr>
</tbody>
</table>

Spot Duration

<table>
<thead>
<tr>
<th>Spot Duration</th>
<th>10, 20, 30, 40, 50 ms for pattern</th>
<th>10 - 3000 ms for single spot</th>
</tr>
</thead>
</table>

Power

<table>
<thead>
<tr>
<th>Power</th>
<th>532 nm: 50 - 2000 mW</th>
<th>577 nm: 50 - 1500 mW</th>
<th>659 nm: 50 - 800 mW*</th>
</tr>
</thead>
</table>

Compatible lasers

<table>
<thead>
<tr>
<th>Vision One</th>
<th>532 nm (green)</th>
<th>577 nm (yellow)</th>
<th>659 nm (red)*</th>
</tr>
</thead>
<tbody>
<tr>
<td>Novus Spectra / Spectra DP</td>
<td>532 nm (green)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Compatible slit lamps

<table>
<thead>
<tr>
<th>Off Axis Illumination Slit Lamps</th>
<th>Lumenis 980</th>
<th>Zeiss 30SL</th>
<th>Zeiss SL130</th>
</tr>
</thead>
</table>

Electrical requirements

<table>
<thead>
<tr>
<th>Electrical requirements</th>
<th>100 - 240 VAC, 50/60 Hz, 150 W max</th>
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</thead>
</table>

General specifications

<table>
<thead>
<tr>
<th>Weight</th>
<th>Console: 3.5 kg</th>
<th>Array LaserLink™ Module: 5 kg</th>
</tr>
</thead>
<tbody>
<tr>
<td>Equipment classification</td>
<td>US Class II, EU Class I</td>
<td></td>
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</tbody>
</table>

* Relevant only for single spot

Lumenis® Certified Service | USA Toll-free 1-877-LUMENIS (1-877-586-3647)