

# OptiClear XL

**Dry Eye Solution  
& Aesthetic Module**



**NEW**

 **OptiClear**XL

**optohellas<sup>®</sup>**  
OPHTHALMIC EQUIPMENT

Worldwide Representation Platform

# OptiClear XL

## Dry Eye Solution & Aesthetic Module



Intense pulsed light (IPL) is a type of intensive, broadband, coherent light source which has a wavelength spectrum of 420 nm -1200 nm and SHR filter (610 nm – 950 nm). With these special properties, the IPL has a wide application in non-ablative therapies based on theory of human skin tissue's selective absorption and photothermolysis of light sources. Meanwhile, IPL treatment is more effective, with no downtime and can make the patients get recovered more quickly than conventional therapies.

### **This device is composed of three parts**

- Main unit
- Control panel
- The IPL treatment hand piece

The control panel includes the color 8" TFT LCD touch screen, the power switch and emergency shut off switch.

### **IPL Treatment**

- Dedicated system for ophthalmologists and optometrists
- Clinically proven technology
- Safe & effective
- Long-term results

### **Aesthetic Module**

- Reduction of pigmented lesions
- Reduction of vascular lesions
- Therapy acne

# OptiClear XL

## Dry Eye Solution & Aesthetic Module

### Technical data

|                                   |                                                                                                                                                                                   |
|-----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Light source                      | Intense pulsed light (Xenon Flash Lamp)                                                                                                                                           |
| Spectrum range                    | 420-1200nm                                                                                                                                                                        |
| Energy density                    | 0.5—30J/c m <sup>2</sup>                                                                                                                                                          |
| Pulse method                      | Single sequence pulse & Continuous Pulse                                                                                                                                          |
| Single sequence pulse number      | 1~3 pulses                                                                                                                                                                        |
| Pulse delay                       | 5-50ms                                                                                                                                                                            |
| Pulse width                       | 5-20ms                                                                                                                                                                            |
| Single sequence total pulse width | Max. ≤50ms                                                                                                                                                                        |
| Single sequence Interval time     | 1-4 s                                                                                                                                                                             |
| Continuous Pulse Frequency        | 2-5 Hz                                                                                                                                                                            |
| Continuous time                   | 5-10 s                                                                                                                                                                            |
| Continuous Pulse Interval time    | 5 s                                                                                                                                                                               |
| Deliver system                    | Direct sapphire Coupling                                                                                                                                                          |
| Spot size                         | IPL 12×35mm                                                                                                                                                                       |
| Operation interface               | 8" touch True Color LCD                                                                                                                                                           |
| Cooling system                    | Cooling system / Water cooling/ forced-air cooling/<br>Semiconductor local cooling                                                                                                |
| Handpiece Cooling temperature     | < 4°C                                                                                                                                                                             |
| Temperature and Humidity          | Operating Temperatures: 5°C~ 30°C<br>Storage Temperatures: 4°C~55°C<br>Operating Relative Humidity: 70%<br>Storage Relative Humidity: 93%<br>Atmospheric pressure: 86kPa ~ 106kPa |