IntelliRay Quad

UV Flood Curing System

UVITRON INTERNATIONAL

Large Area, Programmable UV Flood Curing System

The IntelliRay Quad is an advanced, programmable UV flood curing system, designed for large-area applications. The system combines all essential components into one easily mountable unit. This integration makes it remarkably simple to set up on the optional Rayven Quad benchtop UV curing chamber or any location within a factory, minimizing the requirement for extensive cabling or separate power boxes. User interaction with the system is made effortless through an LCD display and digital keypad, which streamline the programming and real-time monitoring of curing operations. The system is equipped with four durable 600W metal halide arc lamps. These, along with parabolic reflectors, ensure evenly distributed UV light over a substantial curing area measuring 16 x 12 inches. This feature allows for efficient and effective large-scale curing operations. A retractable shutter shade ensures accurate and repeatable exposure timing while safeguarding users from UV radiation.



Features



System Timers

Duration of curing is controlled by a 1–9,999 second or hour exposure timer that actuates the shutter. The exposure timer also has a user-controlled manual mode and a mode for use in long exposure applications such as artificial aging or solar panel testing.

Lamp Intensity Control

The system has a user-adjustable intensity level. This feature provides the flexibility of choosing appropriate curing intensity for sensitive materials. You can password protect time, intensity and all other settings.



Remote Control via PC Serial Port

The system can also be controlled remotely via an RS232 / RS485 serial port. A Windows™ compatible graphical interface program allows all system functions to be exercised, and with RS485, multiple units can be networked.

External Logic Signal Interface

The system can be controlled remotely using digital logic signals available at a 15 pin D-sub connector on the unit's rear panel. The digital logic functions allow high-speed control for applications requiring a direct interface with machine controllers or PLCs.



Best-in-Class Lamp Life

The enhanced lamp life of the system rivals even microwave and LED systems. This extended longevity serves to substantially reduce operating and maintenance costs, demonstrating exceptional value and performance over time.

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Dimensions & Specs

- **System Type:** Parabolic Flood Curing System
- **Part #s:** UV2591-H
- **Lamp Power:** 2400W (4 x 600W)
- **Input Voltage:** 200–240 VAC ±10%
- **Input Current:** 16A
- **Irradiance at 4”:** 110 mW/cm2 UVA, typical
- **Curing Area:** 16 x 12"
- **Weight:** 26.6lbs
- **Size (L x W x H):** 17.45 x 23 x 7.75”

Buy IntelliRay Quad

PART	Item	Details
UV2591-H	IntelliRay Quad, 240VAC, 50/60Hz	Large area, programmable UV flood curing system. Includes 600W UVA enhanced arc lamp, UV/IR protective glasses, power cord and manual.

Accessories

PART	Item	Details
UV2875-H	Rayven Quad Shielding Curing Chamber	Provides full shielding and shutter door interlock
UV2605	Quad Flood Filter Glass	Replacement filter glass. Filters shortwave and infrared wavelengths
UV2607	IntelliRay Shutter Shade	Replacement shutter shade for IntelliRay Quad System
UV0725	Shutter Control Foot Pedal	Provides hands-free control of shutter and exposure timing
UV0527-XX	IntelliRay Remote Control Interface Software	Windows 98/00/XP/7/8//10/11 GUI (firmware dependent)
UV0525	RS232 Remote Interface Cable	For use with above software
UV0526	RS485/Logic Remote Interface Cable	Control from RS485 PC or digital logic
Multiple	Power Cords	Multiple types available
UV1450-XX	Uvicure Plus II Integrating Radiometer	UVA, UVB or Visible spectral ranges (available in multiple ranges)
Multiple	UV Curing Tray	Stainless steel non-stick surface
UV0495	UV/IR Protective Safety Glasses	OTG (fit over prescription eyewear), 3.0 shade
UV2231	UV/IR Protective Safety Glasses	Sport contour, 3.0 shade
UV1889	UV Protective Face Shield	Lift-up face shield ideal for maximum UV/light protection, 3.0 shade

Replacement Lamps

PART	Item	Details
UV0834	UVA Metal Halide Lamp	600W medium pressure
UV1884	UVB Enhanced Lamp	600W medium pressure
UV1074	Visible Metal Halide Lamp	600W medium pressure, 420nm

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