IntelliRay Quad

The IntelliRay Quad is a large-area, programmable UV flood curing system. All system components are integrated into a single unit that can be easily mounted on the optional Rayven Quad benchtop UV curing chamber, or anywhere on a factory floor, with virtually no cabling or remote power boxes required. Just mount the lamp head, connect the AC line cord and start timed-exposure curing.

The system contains an integrated retractable shade type shutter, which allows for repeatable exposure timing, and shields the user from UV rays. The system's LCD display and digital keypad make programming and monitoring of curing operations a snap. The four long-life arc lamps and parabolic reflectors illuminate a 16 x 12" curing area with evenly distributed UV light. The wide range 200–240VAC input voltage range allows the IntelliRay Quad to be used worldwide.

Features

System Timers
Duration of curing is controlled by a 1–9999 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
A user adjustable intensity level provides the flexibility of choosing appropriate curing intensity for sensitive materials. You can password protect time, intensity and all other settings.

Status Indicators
Four front panel LEDs are provided: lamp ready, system in standby mode, shutter open and system alarm.

External Logic Signal Interface

The system can be monitored and 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 of the IntelliRay for applications requiring a direct interface with machine controllers or PLCs.

Lamp Power Regulation

The system's switch mode power supply maintains constant lamp power regardless of variations in AC line input or lamp voltages. The result is repeatable curing times throughout the life of the lamp.

Forced Air Cooling

Variable speed cooling fans with removable filters direct air to critical system components, ensuring cool operation and high system reliability.

Optional Lamp Spectrums

Available with UVA, UVB and visible spectrum lamps, ensuring compatibility with all light curable adhesives and coatings.

Dimensions & Specs

- **System Type:** Parabolic Flood Curing System
- **Part #:** UV2591
- **Lamp Power:** 2400W (4 x 600W)
- **Input Voltage:** 200–240VAC ±10%
- **Input Current (Max):** 16A

- **Irradiance at 4":** 110 mW/cm^2 UVA, typical
- **Curing Area:** 16 x 12"
- **Weight:** 26.6 lbs.
- **Size (L x W x H):** 17.45 x 23 x 7.75"

Accessories and Replacement Part Numbers

Part No.	Item	Details
UV2875	Rayven Quad Shielded Curing Chamber	Provides full shielding and shutter door interlock
UV2605	Quad Flood Filter Glass	Replacement filter glass for SunRay and IntelliRay Quad floods. 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	IntelliRay Remote Control Interface Software	Windows 98 / 2000 / XP / Win7 / Win8 / Win10 GUI
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 ranges, 10-10,000mW/cm^2
(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 / Visible light protection, 4.0 shade
Replacement Lamps:		
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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Part No.	Item	Details
UV2591	IntelliRay Quad, 240VAC, 50/60Hz	Includes 600W UVA enhanced arc lamp, UV / IR protective glasses, power cord and manual