

Compact, Programmable UV Flood Curing System

The IntelliRay is a compact UV flood curing system that incorporates complete programmability. This system, controlled by a microprocessor, integrates all essential components into a small lamp head. The design allows for effortless installation, either on the optional Rayven benchtop curing chamber or any location on a factory floor. The requirement for cabling or separate power boxes is almost entirely eliminated. Installation simply involves mounting the lamp head and connecting the AC line cord, enabling the user to commence timed exposure curing swiftly. A standout feature of the system is its integrated retractable shade type shutter. This facilitates repeatable exposure timing while simultaneously shielding the user from potential UV radiation. The IntelliRay system also comes equipped with an LCD display and a digital keypad. These features significantly simplify the process of programming and monitoring the curing operations, providing an intuitive and user-friendly interface. The user can easily input desired settings and monitor the ongoing process, ensuring optimal curing results.



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

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Best-in-Class Lamp Life

The enhanced lamp life of the system rivals even microwave and LED systems, significantly lowering operating and maintenance costs. Typical lamp life (intensity versus time) charts are available for 200W, 400W, and 600W IntelliRay systems.



Dimensions & Specs

- **System Type:** Parabolic Flood Curing System
- **Part #s:** UV2018; UV0338; UV0832
- **Lamp Power:** 200W; 400W; 600W
- **Input Voltage:** 100-120 / 200-240 AC ±10% (auto-ranging)
- **Input Current (Max @ 120/240V):** 3.5A/2.0A; 7.0A/3.5A; 10.0A/5.0A
- **Typical UVA Irradiance at 3":** 32mW/cm²; 115mW/cm²; 175 mW/cm²
- **Curing Area:** 8 x 6"
- **Weight:** 13lbs
- **Size (L x W x H):** 11 x 10 x 9"

System Part Numbers

PART	Item	Details
UV2018	IntelliRay 200	Compact, programmable UV flood curing system. Contains integrated retractable shade type shutter, LCD display, digital keypad, carrying handle & sliding height adjustment bracket. 8x6" curing area.
UV0338	IntelliRay 400	
UV0832	IntelliRay 600	

Accessories

PART	Item	Details
UV1080	Rayven Shielding Curing Chamber	Provides full shielding and shutter door interlock
UV0454	Adjustable Height Flood Stand	Used with IntelliRay for bench top batch curing
UV0455	Wrap-around UV Shield	Provides basic UV shielding (used with UV454)
UV1094	Rear UV Shield	Rear protection for blocking low level backside UV
UV2128	Flood Filter Glass	Replacement filter glass. Filters shortwave and infrared wavelengths
UV2676	Dichroic Flood Filter Glass	Optional dichroic filter glass for SunRay and IntelliRay floods.
UV0331	IntelliRay Shutter Shade	Replacement shutter shade for IntelliRay 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
Multiple	UV Curing Tray	Stainless steel non-stick surface
UV1450-XX	Uvicure Plus II Integrating Radiometer	UVA, UVB, UVC or Visible spectral ranges (available in multiple ranges)
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 protection, 3.0 shade
UV2025	IntelliRay 200 Instruction Manual	Usage and maintenance info for IntelliRay 200 System
UV0576	IntelliRay 400 Instruction Manual	Usage and maintenance info for IntelliRay 400 System
UV0841	IntelliRay 600 Instruction Manual	Usage and maintenance info for IntelliRay 600 System