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## TECHNICAL INFORMATION

### BLUEMAXX™ Evidence Viewer

Catalog No. BMV100

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#### INTRODUCTION

This new application for our popular BLUEMAXX™ alternate light sources features a self-contained device that incorporates a wide field 2.5X magnifier and two built-in light sources—white light for examining objects under normal lighting and a BLUEMAXX™ light for viewing fluorescent materials. Its lightweight, compact design permits freedom of movement, and the magnification reduces eyestrain as objects are examined.

#### The BLUEMAXX™ Advantage

Developed latent prints on a multi-colored or patterned background have often plagued latent print examiners. With BLUEMAXX™ illumination, in



conjunction with fluorescent latent print development methods, the BMV100 can reduce or eliminate backgrounds. As shown in this DFO enhanced print photo to the right, the BMV100 reveals the print clearly.

Fashioned from brushed nickeloid and epoxy coated steel, the BMV100 reduces eyestrain with its large 4" magnifying lens. Blue lighting is provided by a single 3-watt, high-powered LED (Light Emitting Diode) operating at 455nm, and white lighting is provided by one 3-watt LED. The BLUEMAXX™ Light and White Light are individually operated from a rear mounted control panel. The LEDs never need replacement.

### SETUP

Plug in the universal AC power adapter into the rear of the unit. Plug the adapter into a convenient AC outlet. Do not use any AC adapters other than the one supplied with the unit.

### USAGE

The BLUEMAXX™ Evidence Viewer permits examination and photography of many objects of forensic interest. The BMV100 can be utilized to examine for physiological fluids, review latents developed with DFO, or cyanoacrylate prints enhanced with Ardrex or Basic Yellow. The self-contained light sources eliminate the need for external illumination.

### **BLUEMAXX™ Light**

Blue light is supplied by a single 3-watt LED rated at 455nm. Place the item to be examined under the lens, insert the Orange Barrier Filter into the slot provided. Switch on the Blue Light Control Switch



*DFO enhanced prints, like the palm print shown here, are highly luminescent when viewed with the BMV100 in the blue light mode.*

found on the control panel located on the rear of the unit (see Control Panel photo). For photography, subdued room lighting is recommended.

### **White Light**

White light is provided by one 3-watt LED and is used for examining small weapons, latent print lifts, questioned documents, etc. Switch on the White Light source on the rear-mounted control panel.

### **MAINTENANCE**

No field maintenance is required. LEDs have a +50,000 hour life expectancy. Keep the unit clean by removing dust and dirt using a damp cloth. Household glass cleaners may be used on the magnifying lens.



