

NextgenID Variable Intensity Light Unit

The NextgenID Variable Intensity Light Unit has been specifically designed to improve face recognition by the provision of supplemental light for face image capture. White visible light is used to capture true color images independent of the light intensity. Near IR lights are used to capture glare free monochrome images that are very effective for face identity verification. The units are sized for face image capture at up to 1.2m and are generally used in applications where the capture distance is 0.5m to 1m.

The reflector ensures that the light energy is transmitted and not absorbed within the light luminaire enclosure while the diffuser shapes the light to correspond to the expected capture zone. Long life and high reliability is assured by the use of high intensity LEDs. The Aluminum heat sink dissipates the heat generated by the LEDs and comes with a fan to enhance cooling if required. The embedded microprocessor controls the light level ramp up and down rates and the light intensity and also provides the variable speed fan control, internal health monitoring and shutdown if temperature reaches threshold level.

Product Features	Product Operation	Product Specifications
All Lights <ul style="list-style-type: none"> LEDs for Long life Variable intensity light is USB controlled to achieve correct lighting for the application and changing ambient conditions High intensity LED array enables quality face image capture up to 1.2m from light Variable speed fan automatically limits temperature No flash and hence no red eye 	Typical Enrollment Application <ul style="list-style-type: none"> Operator requests image capture Light ramps up to desired intensity, generally over 0.1 sec to allow the eyes to adjust. Light stays on until a good image is captured Light is ramped off or to a low intensity Since this is generally a low duty cycle, the fan operation may not be required. 	<ul style="list-style-type: none"> Dimensions: 60 mm wide x 64 mm deep x 156 mm high Weight: 0.4 kg External power supply: 15 Volt/4A (NIR light) 15 Volt/2.3A (White light), 110-220 Volt/ 50-60 Hz Light distribution: 70 degrees total included angle measured at FWHM (Full width half maximum)
White Light <ul style="list-style-type: none"> Consistent color over full range of intensity 	Typical Verification Application <ul style="list-style-type: none"> Camera detects person in fov Light ramps up to desired intensity 	White Light <ul style="list-style-type: none"> Characteristic: Color temp 4500k Output: 0 to 1200 lumens Illumination: 140 Lux at 4 feet
Near IR Light <ul style="list-style-type: none"> No glare image capture 		Near IR Light <ul style="list-style-type: none"> Characteristic: Narrow band IR, center wavelength 850 nm

Contact NextgenID

Headquarters

10226 San Pedro, Suite 100
 San Antonio, TX 78216 USA
 Office +1 (210) 530-9991
 Fax +1 (210) 530-9992

Washington DC

13454 Sunrise Valley Dr, Suite 430
 Herndon, VA 20171
 Office +1 (703) 429-8525