

# IntelliVuPLUS

## Automatic Day – Night Module



**New ! IntelliVu PLUS Configuration**  
**for use with CCD cameras and Zoom Lenses**  
(not included with IntelliVuPLUS)

SPECIFICATIONS

December 2006

### SYSTEM SPECIFICATIONS

- Magnification	Depends on Obj. Lens
- Focus Range	1m to infinity
- Lens Requirements	1" or 1/2" C/CS-Mount
- CCD Camera Requirements	1/2" or 1/3" CS-Mount
- Light Level (from sunny day to nighttime)	10,000 lx to 0.0001 lx
- Sensitivity (with f/1.4 lens)	0.00001 fc (overcast)
• IMAGE INTENSIFIER	
- Resolution (Gamma or Delta Version)	57 lp/mm or 64 lp/mm
• ELECTRICAL	
- Power Supply (please indicate)	12 VDC or 24 VAC
• VIDEO	
- Signal Protocol	NTSC / PAL / SECAM
- Automatic Gain Control	Lens connected to CCD
- Iris	Auto-Iris
• IP-based Web Camera (OPTIONAL)	
- Video Standard Real Time Compression	MPEG-4 @ 30 fps
- Configuration	Via Web Browser
- PTZ support	most cameras
• ENVIRONMENTAL	
- Operating Temperature	+0° to +122°F
- Storage Temperature	-31° to +158°F
- Humidity	Up to 95%
• MECHANICAL	
- Weight (IntelliVu PLUS)	3-1/2 lbs
- Dimensions (IntelliVu PLUS)	5.1 L x 4.5 W x 4" H

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NIGHT VISION SPECIALISTS



## New IntelliVu™PLUS Automatic Day-Night 24 hr Surveillance

The IntelliVu™PLUS is a new CCTV intensifier adapter designed to provide night vision capability to standard video cameras and lenses.

During daytime, the intensifier turns off and moves out of the optical path, allowing normal camera operation. It also extends the operational life of the image intensifier for years.

The IntelliVu is optimized to work with near-infrared radiation which is prevalent in the night sky but is invisible to the human eye.

The IntelliVu™ utilizes an Image Intensifier Tube FOM up to 1600 to generate high quality nighttime video.

The IntelliVuPLUS Module can be attached to any low-lux CCD camera.

Either 1/2-inch format or 1/3-inch CCD cameras will offer excellent results.

### System Flexibility:

The new design features an innovative switching device mounted within the IntelliVu so that a single system, utilizing only one color camera and one lens, functions for both day and night and provides a sharp image in:

full color (daytime)  
green color (nighttime)

### Standard Mount / Wiring:

The IntelliVu PLUS is designed to accept standard 1-inch or 1/2-inch C or CS Mount lenses and CS-Mount cameras.

Rapid wiring is accomplished through plug connectors.

1/4-20 mounting hole is provided on the bottom of the unit permitting easy mounting to tripods and environmental enclosures.

### Field of View (FOV):

A 1/2-inch format camera, when used in conjunction with the IntelliVu and 1/2-inch lens, displays a FOV equivalent to a 1/2-inch format camera.

### Automatic Day-Night:

An external light sensor (included with the IntelliVu) provides input for automatic day-to-night switching, allowing continuous unattended surveillance.

### Night Time Capability:

The Gen III Image Intensifier features world class US military technology and with the proper lens and camera is capable of providing usable video in overcast or moonless nights.

### Camera Selection:

Camera selection has also a direct effect on system performance. A high-resolution low-light camera will greatly enhance system performance in very dark environments.

### Optional CCD Camera:



**1/2" Format  
Color CCD  
0.1 lux  
2.6 L x 1.7 W x 1.7 H**

### Lens Selection:

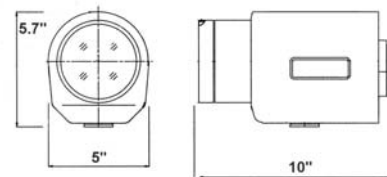
Lens F-number has a direct effect on system low-light performance.

For best performance in extremely low-light conditions, select a lens with the largest possible aperture:

f/1.2 ; f/1.5 or f/1.8

### Optional Zoom Lens:

for Day-Night Video Surveillance

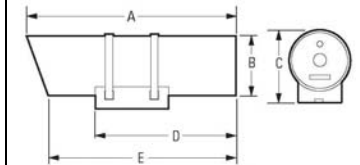


**H30Z1015AMS**  
f/1.5  
30x 10 ~ 300mm  
Auto-Iris  
Motorized  
Focus / Zoom

### Automatic Gain Control:

The new IntelliVu PLUS allows the AGC circuitry functions of the CCTV camera to directly compensate for varying light intensities.

### Optional Enclosure:



A	B	C	D	E
22.00	6.50	7.00	13.00	20.00

VALUES ARE INCHES

Temp: -40° to 122°F  
Humidity: up to 100%  
Altitude: 0 to 32,800 ft

The enclosure is sealed and pressurized with dry nitrogen to 5 psi. Should the camera or lens require servicing, the enclosure may easily be recharged in the field.

### IntelliVuPLUS Series

M2260-1250  
(57 lp/mm)  
M2260-1600 Delta  
(64 lp/mm)

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