


Intensifier Cameras

Color images in the dark

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Preview

- Challenges with Infrared
- Advantages of Intensifier
- Key Features
- What do we carry?

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Challenges of Infrared Cameras

- Limited distance – is based on the number of IR led's on the camera
- Power Consumption – is dramatically increased with IR on
- Is dependent on the reflection of the IR off the images in the scene
 - Grass, brick, blacktop absorb IR
- Must operate without the IR cut off filter which will effect color of images

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Advantage of Intensifier SENS-UP Technology

- No issues with distance limitations since it is not dependent on the reflection of IR
- Power is not a concern because no extra power is used when the “SENS-UP” is on
- No issues with reflection because it does not depend on IR light
- Works with the IR cut off filter in place to give color images



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Key Features

- Need to have some source of light such as moon, stars, lighting from vending machines, exit signs, etc.
- Operates in color during the day and night (also has a night B/W mode if needed)
- Uses the Sony 1/3” Super HAD CCD with DSP for high quality image
- High resolution of 540 TV Lines



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Key Features

- Minimum Illumination of .002 Lux with the SENS-UP turned on
- Uses DNR (Digital Noise Reduction) when the AGC (Auto Gain Control) is on
 - Reduces image noise in low light for better picture
 - Also reduces image file size
- Easy to use Toggle Switch for camera setup



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Key Features

- OSD (On Screen Display) for easy set up and camera identification
- White Balance and Auto Iris controls for consistent image color and quality
- Privacy Function that will allow you to conceal or mask areas you do not wish to appear in the image
- Mirror and many other options



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Key Features

- Power Options of 12V DC or 24V AC
- Has a spot monitor connection on the internal PCB to connect a field-test monitor
- Uses standard BNC connector



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What do we carry?

- Full Body
 - Can use a variety of lenses
 - Can be put into an outdoor housing
- Vandal Resistant Dome
 - Indoor/Outdoor use
 - 3 Axis gimbal for easy adjustment
 - 4-9mm varifocal lens



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Review

- Intensifier Advantages
 - No issues with distance or scene reflection
 - No extra power needed
 - Provides color images in low light situations
 - Do need a small source of light for it to work effectively



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Closing

- Additional questions can be emailed to peter@gspamerica.com
- Or Call 1-800-298-0470



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