

speco technologies®

# Wide Dynamic Range Cameras

POWERED BY  
**PIXIM**®  
DIGITAL PIXEL SYSTEM



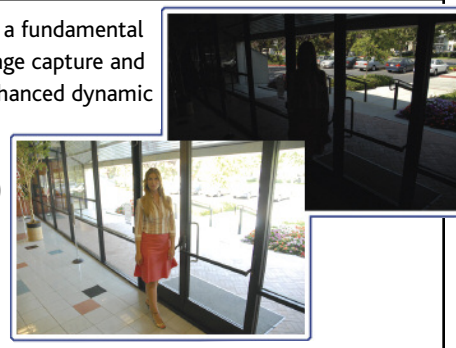
## WDR-B1



## WDR-D3

### Features

Pixim's patented Digital Pixel System (DPS) technology marks a fundamental breakthrough in imaging technology. Pixim has created an image capture and processing system that provides high-quality pictures with enhanced dynamic range that significantly improves image quality in scenes consisting of both bright and dark areas. The core invention in DPS is the inclusion of an analog-to-digital converter (ADC) within each pixel of the image sensor. The ADC translates the light signal into a digital value at the immediate point of capture, thus minimizing signal degradation and cross-talk in the array and allowing for greater noise reduction methods.



### Specifications

|                       |  |
|-----------------------|--|
| Resolution            | 540 TV lines horizontal x 460 lines vertical   |
| Lens                  | 2.8-11mm auto iris   |
| Image Sensor          | 1/3" Pixim ORCA CMOS (dramatic Dynamic range sensor)   |
| Total Pixels          | 742(H) x 552(V)  |
| Minimum Illumination  | 0.08 Lux (DSS on)  |
| Electronic Shutter    | 1/60 - 1/100,000 seconds   |
| Color Balance         | Multiple selectable factory pre-sets for most common situations.<br>Full manual override for special applications. |
| Video Output          | 1.0 Vp-p into 75 ohm composite   |
| TV System             | NTSC/PAL selectable  |
| Scanning System       | 525 lines interlaced / 625 lines interlaced / Progressive Scan   |
| Synchronization       | Internal / External / Line Lock  |
| S/N Ratio             | More than 52dB   |
| Dynamic Range         | 120dB (max), 10dB (typical)  |
| AGC Control           | 0 - 60dB   |
| OSD Menu Control      | 4-directional switch with a center push TACT switch  |
| Gamma Characteristic  | 0.45 NTSC - 0.36 PAL   |
| Power Supply          | 24 Volts AC, 12 Volts DC- dual voltage   |
| Power Consumption     | Max. 2.7 W   |
| Operating Temperature | -20°F to 122°F   |

Specifications subject to change

For more information contact us at:

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