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## Data Sheet

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# ICCD-1325

Day/Night Intensified Digital and Analog CCD Camera

**FOR USE IN THE UNITED STATES ONLY**

## Features:

- ✓ **1392x1040 Active Pixels; 30 fps full frame exposure**
- ✓ **GEN III Image Intensifier with Pinnacle Performance**
- ✓ **8-bit Digital Output and Analog Output**
- ✓ **Digital Control of All Camera Functions (CameraLink)**
- ✓ **Automatic Intensifier Gain Control; Optional Automatic Intensifier Gate Control**
- ✓ **Optional Bright Input Protection Circuit**
- ✓ **800+ TVL of Resolution**
- ✓  **$10^{-7}$  fc Faceplate Sensitivity**
- ✓ **1" Image Format**

The ICCD-1325 is an intensified CCD camera that has both digital and analog outputs. It runs at 30fps with 1394x1040 active pixels. The camera is computer controlled via the CameraLink interface. The intensifier gain is automatically adjusted according to input brightness. Optional automatic gate control adjusts the gate pulse-width according to input brightness.

The GEN III Image Intensifier with Pinnacle performance provides better image quality with smaller Halo, higher Signal to Noise Ratio and more contrast than conventional GEN III Image Intensifiers.

## Specifications:

<b>Intensifier Type</b>	GEN III Image Intensifier with Pinnacle Performance
<b>Sensitivity</b>	$<1.0 \times 10^{-7}$ fc on the faceplate at 30 fps
<b>Frame Rate</b>	30 fps
<b>Final Resolution</b>	>800 TVL
<b>Array Size</b>	1392 (H) x 1040 (V)
<b>Input Format</b>	13 mm (H) x 10.4 mm (V) (1" format)
<b>Geometric Distortion</b>	<1%
<b>Digital Output</b>	CameraLink
<b>Analog Output</b>	714mV 75W (900mV White Clip)
<b>Software Control</b>	Camera Gain, Camera Black Level, Camera Integration
<b>Automatic Day/Night Operation</b>	Automatic Intensifier Gain provides constant output at various input light levels/Optional Automatic Intensifier Gate provides even wider input dynamic range suitable for day/night operation
<b>Input Dynamic Range with Automatic Intensifier Gain</b>	$10^{-7}$ to $10^{-4}$ fc (without changing lens stop or camera gain)
<b>Input Dynamic Range with Optional Auto Gate Control</b>	$10^{-7}$ to $10^3$ fc (without changing lens stop or camera gain)
<b>Intensifier Life</b>	10,000 hours at low light level ( $10^{-5}$ fc or lower)
<b>Camera Dimension</b>	46 mm x 46 mm x 107 mm