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TECHNOLOGY GROUP

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along with credit for buybacks and trade-ins.

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so your equipment works exactly as you specify.

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Expert team | Trust guarantee | 100% satisfaction

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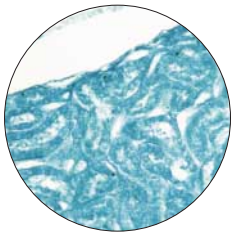
Find the *Pixera Pro 150ES-CU* at our website: *Click HERE*

Pro 150ES & 600ES

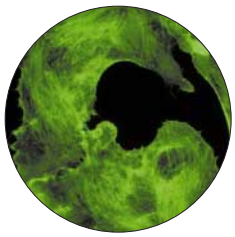
1.5 & 5.8 Million Pixel Digital Camera Systems

Windows® & Mac® OS

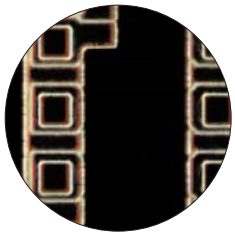
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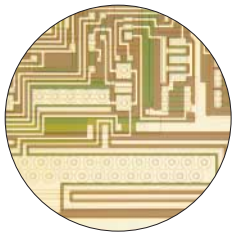
Brightfield



DAPI, niba
Fluorescence

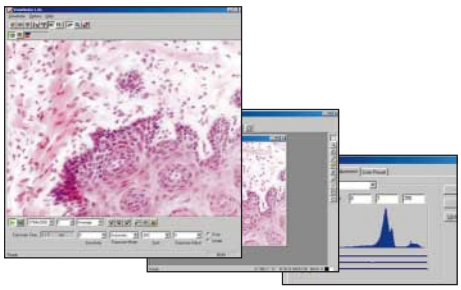


Integrated Circuit Wafer
Darkfield



Integrated Circuit Wafer
Brightfield





15fps Color Viewfinder (640x480 pixels), Studio and Level Adjustment

1.5 Million Pixels *- Pro 150ES (0 Defect CCD)*
5.8 Million Pixels[1)] *- Pro 600ES (0 Defect CCD)*
Sensitivity, 0.05lux
High Signal-to-Noise Ratio: *62dB*
Up to 15fps Color Viewfinder *(640x480)*
24/48 bit RGB True Color Imaging
Fluorescence
Long Integration Exposure *Up to 64min*
Live Specimen Capture *@ 1.5M Pixels*

[1)] *5.8 million pixels is achieved by patented DiRactor™ technology.*

Applications:

- ***Fluorescence***
- ***Darkfield Transmitted/Reflected***
- ***Brightfield Transmitted/Reflected***
- ***Polarized Light***
- ***Phase Contrast***
- ***DIC / Nomarski Transmitted/Reflected***
- ***Hoffman Modulation***
- ***Gel Documentation***
- ***Materials Science***

Pro 150ES & Pro 600ES - Digital Camera Systems

The Pro 150ES & Pro 600ES offers the most versatile price performance solutions for microscopy imaging in Pixera's product range. Both systems will provide you with a very high image quality, true color 24/48bit RGB, excellent sensitivity and dynamic range, and when you need the absolute highest image quality and resolution for archiving, digital zoom in and publishing, the Pro 600ES with maximum resolution of 5.8 million pixels is your best choice. A 24-bit, 5.8 million pixel capture produces a 17.3MB file size, uncompressed. Utilizing the advanced frame averaging and integration functions, the system will enable you to capture fluorescence and darkfield images with reduced thermal noise

Unlike other digital camera systems which increase resolution using software interpolation, the Pro 600ES allows for a true optical resolution of 5.8 million pixels using Pixera's proprietary DiRactor™, light-swing opto mechanical technology.
The Pro 150ES offers you up to 1.5 million pixels.

Both systems feature a fast 15 frames per second color viewfinder with a numerical alignment indicator that makes it simple to focus. All of Pro 600ES & Pro 150ES pre-exposure default settings are adjustable via easy controls and indicators in the Viewfinder including unlimited saving of prior capture settings for future use.

Either camera system is a productivity tool and offers the highest image quality and user friendly controls.

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Camera System Features

- Resolutions:
  Pro 600ES: 2776x2074, 1392x1040, 640x480
  Pro 150ES: 1392x1040, 640x480
- Image Sensor: 1/2", 0 defect, 1.5M pixel Color CCD
- Sensitivity: 0.05lux
- S/N Ratio: 62dB
- Dynamic Range: 60dB
- Color Depth: 24 or 48 bit RGB
- Image Processing Speed*: 5-20 sec
- Viewfinder**: Up to15 fps @ 640 x 480 pixels
- Long Integration Exposure, up to 64 min
- Sensitivity: ISO 50/100/200/400
- Save & Preload Prior Image Capture Settings
- RGB Color Specific Enhancement
- Spot Detection (Variable size and location)

Image Formats

- BMP, JPEG, TIFF, PICT, Flash Pix

Penguin/Pro Application Suite

Windows®:
- Pixera Viewfinder
- Pixera Studio
- TWAIN Viewfinder

Mac® OS:
- Pixera Studio
- Adobe® Photoshop® Plug-In

Options See separate datasheets for these items.

- Penguin/Pro-HS: Hand Switch (Remote Image Capture)
- Penguin/Pro-FS: Foot Switch (Hands Free Image Capture)
- Penguin/Pro-CS: Camera Switch
- Penguin/Pro-LC: L-Shaped Connector

System Requirements

- Windows® 95/98/Me/NT/2000/XP
- Mac® OS 9.0-9.2.x
- Interface: PCI slot for desktop PC
- CPU (Windows®): 300MHz or faster
- CPU (Mac® OS): Blue/White G3 or later
- RAM (Windows®): 128MB or more
- RAM (Mac® OS): 256MB or more
- HDD: 100MB of free space or more
- Monitor: 1024 x 768 pixels or more
- Color: 16 bits. 24bits or more recommended

* Including the processing time to display
** Maximum frame rate is system dependent
*** Maximum exposure time

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