

truePIXA Multi-spectral Line Scan Camera

Precision in color measurement



Add a new dimension to multi-spectral imaging with the truePIXA camera. It offers a combination of high speed and spectral color measurement for each pixel to permit color measurement on two-dimensional objects, especially for print inspection. It captures the spectral footprint of images in full size and applies to on- and off-line imaging.

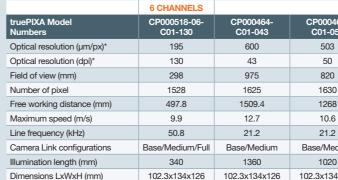
Unique Features of truePIXA Technology

- High speed line scan technology
- 12 image channels with distinct spectral content > Allows measurements on RGB, CIE-L*a*b* and spectral reflectance factor data
- High stability and excellent repeatability
- ▶ Real time color measurement
- Chromasens Chromantis software
- User interface for image acquisition
- Spectral and color data visualization
- Basic data analysis
- Data import and export
- User friendly application programming interface (API)
- Combined with Chromasens Corona II D50 illumination, truePIXA cameras achieve the highest accuracy color measurement



Applications

- Spectral measurement
- Color mesaurement
- 100% quality control
- Sorting processes
- Optical density
- Surface inspection
- Defect inspection
- Web inspection



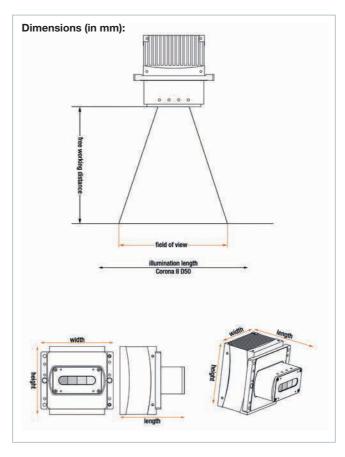
*optical resolution at working distance. Note: Please contact us for different resolutions and field of views.





Print

Measurement





945 East 11th Avenue Tampa, FL 33605 Phone: (813) 984-0125 Contact: Sales@pyramidimaging.com https://pyramidimaging.com

| | 12 CHA | NNELS | | |
|-------------|----------------------|----------------------|-------------------------|-------------------------|
| 464- 050 | CP000464- C01-090 | CP000464- C01-130 | CP000464-C02- 200-K4 | CP000464-C02- 423-K4 |
| 3 | 282 | 195 | 125 | 60 |
| | 90 | 130 | 200 | 423 |
|) | 450 | 298 | 165 | 90 |
| 0 | 1595 | 1528 | 1320 | 1500 |
| 8 | 715.5 | 497.8 | 465.5 | 236 |
| 6 | 5.9 | 4.1 | 2.6 | 1.2 |
| 2 | 21.2 | 21.2 | 21.2 | 21.2 |
| edium | Base/Medium | Base/Medium | Base/Medium | Base/Medium |
| 0 | 680 | 340 | 340 | 340 |
| 4x126 | 102.3x134x126 | 102.3x134x126 | 102.3x134x126 | 102.3x134x126 |



Textile

| Camera | Multi-spectral line scan camera with 6 or 12 image channels | | |
|---------------------------|--|--|--|
| Sensor | Multi-channel CCD line sensor | | |
| Active pixel size | 10 μm x 10 μm | | |
| Spectral data range | 380 nm – 730 nm | | |
| Measurement functionality | Spectral reflectance, CIE-L*a*b*, CIE-XYZ, CIE-L*c*h* | | |
| Measurement geometry | Adapted 45°/0° (illumination / observation angle) | | |
| Short-term repeatability | 0.05 Δ76 | | |
| White reference | Absolute/relative | | |
| Light source | LED based D50, refer to Corona II D50 for best performance | | |
| Interfaces Camera | Link Base/Medium/Full External I/O Serial (RS-232) Power supply (Hirose) | | |
| Power supply | 24V DC +/- 10%; 16W | | |
| Trigger mode | Free run / external trigger Line trigger Frame trigger | | |
| Operating temperature | 0°C to 60°C, 32°F to 140°F (housing temperature) | | |
| Software | Chromasens truePIXA-API (TpApi) Chromasens Chromantis for measuring, viewing and exporting spectral and multi-channel images (Windows x64) | | |
| Software output | Multi-channel-, spectral-, CIE-L*a*b*-, CIE-XYZ- and CIE-L*c*h*-images in 16 Bit TIFF and FITS format | | |
| Additional accessories | Cross polarization kit for camera and Chromasens line-lights | | |
| Certifications | CE, FCC compliant, roHS | | |

Specifications: