

$$
\begin{gathered}
\text { PA2KGV-80KM / PA4KGV-80KM / PA7K2CL-8KC / PA8KGV-45KM } \\
\text { PA8KCL-80KM / PA15KCL-18KC / PA15KCL-45KT / PA16KCL-40KM }
\end{gathered}
$$

## PA2KGV－80KM

## FEATURES

## 主要特征

（ 055 kHz （ 80 kHz with SAccel ${ }^{\text {Iw }}$ ）
（0）High sensitivity and low noise
© FFC and contrast expansion
（O） 8 bit output
（）GigE Vision interface
（O）GUI configuration tool
（O）Internal trigger，external trigger，optiona
（O）Power supply：DC12V－24V（ $\pm 10 \%$ ）

## APPLICATIONS

## 应用领域

（O）Automated optical inspection
© High performance sorting systems
（O）Materials grading and inspection
（O）Web inspection
（O）General purpose machine visio

| SPECIFICATIONS | 产品规格 |
| :---: | :---: |
| Mode I | PA2KGV－80KM |
| Sensor Type | Global Shutter CMOS |
| Image Mode | Mono |
| Optical Size | 14． 33 mm |
| Resolution | 2048 ＊ 1 |
| Pixel Size | $7 \mu \mathrm{~m} * 7 \mu \mathrm{~m}$ |
| Max Line Rate | 55 kHz （80kHz with SAccel ${ }^{\text {TM }}$ ） |
| Bit Depth | 8 bit |
| Dynamic Range | $\geqslant 55 \mathrm{~dB}$ |
| Data Rate | 115 MB／s |
| Trigger Mode | External trigger／Internal free run |
| Exposure Control | Pulse width or Program |
| Analog Gain | $1 \mathrm{x}-8 \mathrm{x}$ |
| Digital Gain | 0． $001 \mathrm{x}-15.999 \mathrm{x}$ |
| Lens Interface | C Mount |
| Data Interface | GigE Vision |
| Power Interface | HD15 female connector |
| Power Supply | DC12V－24V（ $\pm 10 \%$ ）0．3A |
| Power Consumption | 4W |
| Dimensions | W63． $0 \mathrm{~mm} \times \mathrm{H} 63.0 \mathrm{~mm} \times \mathrm{D} 56.8 \mathrm{~mm}$ |
| OperatingTemperature | $0-65^{\circ} \mathrm{C}$ |
| Storage Temperature | $-20-75^{\circ} \mathrm{C}$ |



## PA4KGV－80KM

## FEATURES

## 主要特征

（0） 27 kHz （ 80 kHz with SAcceI ${ }^{\text {TM }}$ ）
（O）High sensitivity and Low noise
（O）FFC and Contrast expansion
（O） 8 bit output
（0）GigE Vision interface
（0）Flexible and simple GUI configuration tool
© Internal trigger，external trigger，optional
（O）Power supply：DC12V－24V（ $\pm 10 \%$ ）

## APPLICATIONS <br> 应用领域

（O）Automated optical inspection
（0）High performance sorting systems
（0）Materials grading and inspection
（O）Web inspection
（O）General purpose machine vision

| SPECIFICATIONS | 产品规格 |
| :---: | :---: |
| Mode I | PA4KGV－80KM |
| Sensor Type | Global Shutter CMOS |
| Image Mode | Mono |
| Optical Size | 14.33 mm |
| Resolution | 4096 ＊ 1 |
| Pixel Size | $3.5 \mu \mathrm{~m} * 3.5 \mu \mathrm{~m}$ |
| Max Line Rate | 27 kHz （ 80 kHz with SAccel ${ }^{\text {TM }}$ ） |
| Bit Depth | 8 bit |
| Dynamic Range | $\geqslant 53 \mathrm{~dB}$ |
| Data Rate | $115 \mathrm{MB} / \mathrm{s}$ |
| Trigger Mode | External trigger／Internal free run |
| Exposure Control | Pulse width or Program |
| Analog Gain | $1 \mathrm{x}-8 \mathrm{x}$ |
| Digital Gain | 0． $001 x-15.999 x$ |
| Lens Interface | C Mount |
| Data Interface | GigE Vision |
| Power Interface | HD15 female connector |
| Power Supply | DC12V－24V（ $\pm 10 \%$ ）0．3A |
| Power Consumption | 4W |
| Dimensions | W63． $0 \mathrm{~mm} \times \mathrm{H} 63.0 \mathrm{~mm} \times$ D56． 8 mm |
| OperatingTemperature | $0-65^{\circ} \mathrm{C}$ |
| Storage Temperature | $-20-75^{\circ} \mathrm{C}$ |

SPECTRAL RESPONSE 光谱响应图


MECHANICAL DIMENSION 机械尺寸图


## PA7K2CL－8KC

## FEATURES

## 主要特征

（O）Up to $7,500 * 3$ Pixels
（O）Up to 8.6 kHz Line Rate
（O）Bi－directional Scanning
（0）FFC
© Automatic White Balance
（O）Camera Link interface
（o）GUI configuration tool
© Internal trigger，External trigger optional
（O）Power supply：DC12V $\pm 10 \%$

## APPLICATIONS <br> 应用领域

（）Document scanning
（O）Printing inspection
（0）PCB，LCD inspection
（0）High quality raw material surface inspection
© High quality food and drug inspection

| SPECIFICATIONS | 产品规格 |
| :--- | :--- |
| Model | PA7K2CL－8KC |
| Sensor Type | Global Shutter CCD |
| Image Mode | Color |
| Optical Size | 69.93 mm |
| Resolution | $7500 * 3$ |
| Pixel Size | $9.325 \mathrm{\mu m} * 9.325 \quad \mu \mathrm{~m}$ |
| Max Line Rate | 8.6 kHz |
| Bit Depth | $8 / 10 \mathrm{bit}$ |
| Dynamic Range | $\geqslant 64 \mathrm{~dB}$ |
| Data Rate | $210 \mathrm{MB} / \mathrm{s}$ |
| Trigger Mode | External trigger／Internal free run |
| Exposure Control | Pulse width or Program |
| Analog Gain | $1 \times-4 \mathrm{x}$ |
| Digital Gain | $0.01 \mathrm{x}-8.00 \mathrm{x}$ |
| Data Interface | Camera Link |
| Power Interface | Hirose HR10A（6－pin） |
| Power Supply | DC12V $\pm 10 \% \quad 2 \mathrm{~A}$ |
| Power Consumption | 12 W |
| Dimensions | W103． $8 \mathrm{~mm} \times \mathrm{H} 118.2 \mathrm{~mm} \times$ D42． 4 mm |
| OperatingTemperature | $0-65^{\circ} \mathrm{C}$ |
| Storage Temperature | $-20-75^{\circ} \mathrm{C}$ |



## PA8KGV－45KM

## FEATURES主要特征

（0） 13 kHz （ 45 kHz with SAcce ${ }^{\text {TMW }}$ ）
© High sensitivity and low noise
（ FFC and Contrast expansion
（） 8 bit output
© GigE Vision interface
（O）GUI configuration tool
© Internal trigger，External trigger，optional
（O）Power supply：DC12V－24V（ $\pm 10 \%$ ）

## APPLICATIONS <br> 应用领域

（O）Automated optical inspection
（ 0 High performance sorting systems
（0）Materials grading and inspection
（O）Web inspection
（O）General purpose machine vision

| SPECIFICATIONS | 产品规格 |
| :---: | :---: |
| Model | PA8KGV－45KM |
| Sensor Type | Global Shutter CMOS |
| Image Mode | Mono |
| Optical Size | 57． 34 mm |
| Resolution | 8192 ＊ 1 |
| Pixel Size | $7 \mu \mathrm{~m} * 7 \mu \mathrm{~m}$ |
| Max Line Rate | 13 kHz （ 45 kHz with SAccel ${ }^{\text {TM }}$ ） |
| Bit Depth | 8 bit |
| Dynamic Range | $\geqslant 54 \mathrm{~dB}$ |
| Data Rate | $115 \mathrm{MB} / \mathrm{s}$ |
| Trigger Mode | External trigger／Internal free run |
| Exposure Control | Pulse width or Program |
| Analog Gain | $1 \mathrm{x}-8 \mathrm{x}$ |
| Digital Gain | 0． $001 \mathrm{x}-15.999 \mathrm{x}$ |
| Lens Interface | M72＊ 0.75 |
| Data Interface | GigE Vision |
| Power Interface | HD15 female connector |
| Power Supply | DC12V－24V（ $\pm 10 \%$ ）0．4A |
| Power Consumption | 5W |
| Dimensions | W76． $0 \mathrm{~mm} \times \mathrm{H} 76.0 \mathrm{~mm} \times$ D40． 1 mm |
| OperatingTemperature | 0－65 ${ }^{\circ} \mathrm{C}$ |
| Storage Temperature | $-20-75^{\circ} \mathrm{C}$ |



## PA8KCL－80KM

## FEATURES

## 主要特征

（0）Up to 80 kHz Line Rate
（ ）High sensitivity and Low noise
（0）FFC and Contrast expansion
（O） $8 / 10$ bit output
（ $)$ Camera Link interface
（O）Serial port control command，GUl configuration tool，optional
© Internal trigger，External trigger，optional
（O）Power supply：DC12V－24V（ $\pm 10 \%)$

## APPLICATIONS <br> 应用领域

（0）Automated optical inspection
（O）Security system
© High performance sorting systems
（0）Materials grading and inspection
（O）Web inspection
（O）General purpose machine vision

| SPECIFICATIONS | 产品规格 |
| :--- | :--- |
| Model | PA8KCL－80KM |
| Sensor Type | Global Shutter CMOS |
| Image Mode | Mono |
| Optical Size | 57.34 mm |
| Resolution | $8192 * 1$ |
| Pixel Size | $7 \mu \mathrm{~m} * 7 \mu \mathrm{~m}$ |
| Max Line Rate | 80 kHz |
| Bit Depth | $8 / 10 \mathrm{bit}$ |
| Dynamic Range | $\geqslant 64 \mathrm{~dB}$ |
| Data Rate | $680 \mathrm{MB} / \mathrm{s}$ |
| Trigger Mode | External trigger／Internal free run |
| Exposure Control | Pulse width or Program |
| Analog Gain | $1 \times-8 \mathrm{x}$ |
| Digital Gain | $0.01 \mathrm{x}-8.00 \mathrm{x}$ |
| Lens Interface | M72 $* 0.75$ |
| Data Interface | Camera Link |
| Power Interface | Hirose HR10A（6－pin） |
| Power Supply | DC12V $-24 \mathrm{~V}( \pm 10 \%) \quad 0.5 \mathrm{~A}$ |
| Power Consumption | 5 W |
| Dimensions | W78．Omm x H87．Omm x D40． 6 mm |
| OperatingTemperature | $0-65^{\circ} \mathrm{C}$ |
| Storage Temperature | $-20-75^{\circ} \mathrm{C}$ |

## SPECTRAL RESPONSE 光谱响应图



## MECHANICAL DIMENSION 机械尺寸图



## PA15KCL－18KC

## FEATURES

## 主要特征

（0）Up to 18 kHz Line Rate， $5.6 \mu \mathrm{~m} * 5.6 \mu \mathrm{~m}$
（O）True RGB color with high－resolution
（0）Bi－directional scanning
（C）FFC
（O）Auto White Balance
（O）Internal trigger，external trigger，optional
（O）GUI configuration tool
（）Camera Link interface
（O）Power supply：DC12V $\pm 10 \%$

## APPLICATIONS <br> 应用领域

（O）Printing inspection
（O）Flat panel inspection
（O）Electronics inspection
（O）Web inspection
（O）General purpose machine vision

| SPECIFICATIONS | 产品规格 |
| :---: | :---: |
| Model | PA15KCL－18KC |
| Sensor Type | Global Shutter CMOS |
| Image Mode | Color |
| Optical Size | 86． 38 mm |
| Resolution | 3／6Tap：15424＊3 ；9Tap：15420＊4 |
| Pixel Size | $5.6 \mu \mathrm{~m} * 5.6 \mu \mathrm{~m}$ |
| Max Line Rate | 18 kHz |
| Bit Depth | 8／10 bit |
| Dynamic Range | $\geqslant 55 \mathrm{~dB}$ |
| Data Rate | 765 MB／s |
| Trigger Mode | External trigger／Internal free run |
| Exposure Control | Pulse width or Program |
| Analog Gain | $1 \mathrm{x}-3.34 \mathrm{x}$ |
| Digital Gain | $0.01 \mathrm{x}-8.00 \mathrm{x}$ |
| Lens Interface | M95＊ 1 |
| Data Interface | Camera Link |
| Power Interface | Hirose HR10A（6－pin） |
| Power Supply | DC12V $\pm 10 \% 3 \mathrm{~A}$ |
| Power Consumption | 15W |
| Dimensions | W120． $0 \mathrm{~mm} \times \mathrm{H} 110.0 \mathrm{~mm} \times$ D66． 0 mm |
| OperatingTemperature | 0－65 ${ }^{\circ} \mathrm{C}$ |
| Storage Temperature | $-20-75^{\circ} \mathrm{C}$ |

## PA15KCL－45KT

## FEATURES 主要特征

（O）Up to 15424 pixels， $5.6 \mu \mathrm{~m} * 5.6 \mu \mathrm{~m}$
（O）Up to 45 kHz Line Rate
（0）High sensitivity and low noise
（O）FFC
（O）In 1， 2 up to 4 Lines Integration
（0）Internal trigger，external trigger，optional
© Serial port control command，GUl configuration tool，optional
© Camera Link interface
（O）Power supply：DC12V $\pm 10 \%$

## APPLICATIONS <br> 应用领域

（O）Printing inspection
（o）PCB／FPD／Wafer inspection
（O）High quality raw material surface inspection
（O）OCR or sorting
（O）Other industrial inspection

| SPECIFICATIONS | 产品规格 |
| :--- | :--- |
| Model | PA15KCL－45KT |
| Sensor Type | Global Shutter CMOS |
| Image Mode | Mono |
| Optical Size | 86.38 mm |
| Resolution | $2 / 4 / 8 \mathrm{tap}: 15424^{* 3} ;$ 10tap：15360＊4 |
| Pixel Size | $5.6 \mu \mathrm{~m} * 5.6 \mu \mathrm{~m}$ |
| Max Line Rate | 45 kHz |
| Bit Depth | $8 / 10 \mathrm{bit}$ |
| Dynamic Range | $\geqslant 68 \mathrm{~dB}$ |
| Data Rate | $820 \mathrm{MB} / \mathrm{s}$ |
| Trigger Mode | External trigger／Internal free run |
| Exposure Control | Pulse width or Program |
| Analog Gain | $1 \mathrm{x}-3.34 \mathrm{x}$ |
| Digital Gain | $0.01 \mathrm{x}-8.00 \mathrm{x}$ |
| Lens Interface | M95 $* 1$ |
| Data Interface | Camera Link |
| Power Interface | Hirose HR10A（6－pin） |
| Power Supply | DC12V $\pm 10 \% ~ 2 A$ |
| Power Consumption | 16 W |
| Dimensions | W120． $\mathrm{mm} \times \mathrm{H} 110.0 \mathrm{~mm} \times$ D66．Omm |
| OperatingTemperature | $0-65^{\circ} \mathrm{C}$ |
| Storage Temperature | $-20-75^{\circ} \mathrm{C}$ |



## PA16KCL－40KM

## FEATURES

## 主要特征

（O）Up to 16384 pixels

（0）Up to 40 kHz Line Rate
（0）High sensitivity and low noise
（ 0 FFC／LUT
（O）Camera Link interface
（ ）Internal trigger，external trigger，optional
（O）Serial port control command，GUl configuration tool，optional
（O）Power supply：DC12V－24V（ $\pm 10 \%$ ）

## APPLICATIONS

应用领域Automated optical inspection
（O）Materials grading and inspection systems
© PCB／FPD／Wafer inspection
（0）High performance sorting systems
（O）Web inspection
（0）General purpose machine vision

| SPECIFICATIONS | 产品规格 |
| :---: | :---: |
| Model | PA16KCL－40KM |
| Sensor Type | Global Shutter CMOS |
| Image Mode | Mono |
| Optical Size | 57.34 mm |
| Resolution | 16384 ＊ 1 |
| Pixel Size | $3.5 \mu \mathrm{~m} * 3.5 \mu \mathrm{~m}$ |
| Max Line Rate | 40 kHz |
| Bit Depth | 8／10 bit |
| Dynamic Range | $\geqslant 66 \mathrm{~dB}$ |
| Data Rate | $680 \mathrm{MB} / \mathrm{s}$ |
| Trigger Mode | External trigger／Internal free run |
| Exposure Control | Pulse width or Program |
| Analog Gain | $1 \mathrm{x}-4 \mathrm{x}$ |
| Digital Gain | 0．01x－8．00x |
| Lens Interface | M72＊ 0.75 |
| Data Interface | Camera Link |
| Power Interface | Hirose HR10A（6－pin） |
| Power Supply | DC12V－24V（ $\pm 10 \%$ ）0．5A |
| Power Consumption | 5 W |
| Dimensions | W82． $0 \mathrm{~mm} \times \mathrm{H} 82.0 \mathrm{~mm} \times$ D43． 7 mm |
| OperatingTemperature | $0-65^{\circ} \mathrm{C}$ |
| Storage Temperature | $-20-75^{\circ} \mathrm{C}$ |

## SPECTRAL RESPONSE 光谱响应图



## MECHANICAL DIMENSION <br> 机械尺寸图




## Series

Line Scan Camera

PL4KGV-30KC / PL4KCL-68KC / PL4KCL-200KT
PL8KCL-30KF / PL8KCL-50KX / PL8KCL-100KT / PL8KCXP-43KC


## PL4KGV－30KC

## FEATURES

## 主要特征

（0） 15 kHz （ 30 kHz with SAccel ${ }^{\text {TMI }}$ ）
（O）High sensitivity and Low noise
© FFC／ROI／LUT／Bining
© 8／10／12 bit output
© GigE Vision interface
© Flexible and simple GUI configuration tool
© Internal trigger，external trigger，optional
© Temperature monitor
© Power supply：DC12V－24V（ $\pm 10 \%$ ）

## APPLICATIONS

应用领域
（0）Automated optical inspection
© High performance sorting systems
© Materials grading and inspection
（）Web inspection
（ General purpose machine vision

| SPECIFICATIONS | 产品规格 |
| :---: | :---: |
| Mode I | PL4KGV－30KC |
| Sensor Type | Global Shutter CMOS |
| Image Mode | Color |
| Optical Size | 28.67 mm |
| Resolution | 4096 ＊ 2 |
| Pixel Size | $7 \mu \mathrm{~m} * 7 \mu \mathrm{~m}$ |
| Max Line Rate | 15 kHz （ 30 kHz with SAccel ${ }^{\text {TM }}$ ） |
| Bit Depth | 8／10／12 bit |
| Dynamic Range | $\geqslant 65.6 \mathrm{~dB}$ |
| Data Rate | 124 MB／s |
| Trigger Mode | External trigger／Internal free run |
| Exposure Control | Pulse width or Program |
| Analog Gain | 1／2／3／4x |
| Digital Gain | $0.004 x-8.00 \mathrm{x}$ |
| Lens Interface | M42＊ 1 |
| Data Interface | Camera Link |
| Power Interface | HD15 female connector |
| Power Supply | DC12V－24V（ $\pm 10 \%$ ）3A |
| Power Consumption | 4．9W |
| Dimensions | W62． $0 \mathrm{~mm} \times \mathrm{H} 62.0 \mathrm{~mm} \times$ D 32.48 mm |
| OperatingTemperature | $0-65^{\circ} \mathrm{C}$ |
| Storage Temperature | $-20-75^{\circ} \mathrm{C}$ |

SPECTRAL RESPONSE 光谱响应图


## MECHANICAL DIMENSION 机械尺寸图



## PL4KCL－68KC

## FEATURES

## 主要特征

（0）Line Rate up to 68 kHz
（O）High sensitivity and Low noise
（O）FFC／ROI／LUT／Bining
（） $8 / 10 / 12$ bit output
（0）GigE Vision interface
（O）Flexible and simple GUI configuration tool
（O）Internal trigger，external trigger，optional
（O）Temperature monitor
（O）Power supply：DC5V－24V（ $\pm 10 \%)$

## APPLICATIONS

应用领域
（O）Automated optical inspection
© High performance sorting systems
© Materials grading and inspection
© Web inspection
（O）General purpose machine vision

| SPECIFICATIONS | 产品规格 |
| :---: | :---: |
| Model | PL4KCL－68KC |
| Sensor Type | Global Shutter CMOS |
| Image Mode | Color |
| Optical Size | 28.67 mm |
| Resolution | 4096 ＊ 2 |
| Pixel Size | $7 \mu \mathrm{~m} * 7 \mu \mathrm{~m}$ |
| Max Line Rate | 68 kHz |
| Bit Depth | 8／10／12 bit |
| Dynamic Range | $\geqslant 63.5 \mathrm{~dB}$ |
| Data Rate | 840 MB／s |
| Trigger Mode | External trigger／Internal free run |
| Exposure Control | Pulse width or Program |
| Analog Gain | 1／2／1／4x |
| Digital Gain | 0． $004 x-8.00 x$ |
| Lens Interface | M42＊ 1 |
| Data Interface | Camera Link |
| Power Interface | HD15 female connector |
| Power Supply | DC5V－24V（ $\pm 10 \%$ ）3A |
| Power Consumption | 4．9W |
| Dimensions | W62． $0 \mathrm{~mm} \times \mathrm{H} 62.0 \mathrm{~mm} \times$ D31． 0 mm |
| OperatingTemperature | $0-65^{\circ} \mathrm{C}$ |
| Storage Temperature | $-20-75^{\circ} \mathrm{C}$ |



## SPECTRAL RESPONSE 光谱响应图



## MECHANICAL DIMENSION 机械尺寸图



## PL4KCL－200KT

```
FEATURES
(0) Line Rate up to 200kHz
(0) High sensitivity and Low noise
O FFC / ROI / LUT / Bining
(0) 8/10/12 bit output
(0) GigE Vision interface
(0) Flexible and simple GUI configuration tool
() Internal trigger, external trigger, optional
(0) Temperature monitor
(0) Power supply: DC5V-24V ( }\pm10%
```


## APPLICATIONS

## 应用领域

（）Automated optical inspection
© High performance sorting systems
© Materials grading and inspection
（）Web inspection
© General purpose machine vision

| SPECIFICATIONS | 产品规格 |
| :---: | :---: |
| Mode I | PL4KCL－200KT |
| Sensor Type | Global Shutter CMOS |
| Image Mode | Mono |
| Optical Size | 28.67 mm |
| Resolution | 4096 ＊ 2 |
| Pixel Size | $7 \mu \mathrm{~m} * 7 \mu \mathrm{~m}$ |
| Max Line Rate | 200 kHz |
| Bit Depth | 8／10／12 bit |
| Dynamic Range | $\geqslant 66.2 \mathrm{~dB}$ |
| Data Rate | $820 \mathrm{MB} / \mathrm{s}$ |
| Trigger Mode | External trigger／Internal free run |
| Exposure Control | Pulse width or Program |
| Analog Gain | 1／2／5／10x |
| Digital Gain | 0．004x－8．00x |
| Lens Interface | M42＊ 1 |
| Data Interface | Camera Link |
| Power Interface | HD15 female connector |
| Power Supply | DC5V－24V（ $\pm 10 \%$ ）3A |
| Power Consumption | 5．7W |
| Dimensions | W62． $0 \mathrm{~mm} \times \mathrm{H} 62.0 \mathrm{~mm} \times$ D31． 0 mm |
| OperatingTemperature | $0-65^{\circ} \mathrm{C}$ |
| Storage Temperature | $-20-75^{\circ} \mathrm{C}$ |



## PL8KCL－30KF

## FEATURES

## 主要特征

© Quadlinear color TDI sensor
（0）Line Rate up to 30 kHz
（O）Four colors：RGBC（four line per color）
（0）High sensitivity and low noise
© True exposure control
© Bidirectional scanning
© Auto White Balance／FFC／ROI
（ $)$ Power supply ：DC12V $\pm 10 \%$

## APPLICATIONS

## 应用领域

（O）Film and web inspection
© Printing inspection
（O）Flat panel display inspection
（0）Printed circuit board inspection
（O）Electronics inspection



## MECHANICAL DIMENSION 机械尺寸图



## PL8KCL－50KX

## FEATURES

## 主要特征

（0） $8320 * 16$ Pixels， $5 \mu \mathrm{~m} * 5 \mu \mathrm{~m}$
© Support 2 lamps， 3 lamps， 4 lamps exposure
（）Regions of Interest（ROI）
© FFC and LUT
© High sensitivity（4I ines／Lamp）
（0）True exposure control
（ Simplify application system structure
（ Power supply ：DC12V $\pm 20 \%$

## APPLICATIONS <br> 应用领域

（）Flat panel display inspection
（0）Printed circuit board inspection
© Semiconductor wafer
（O）Life sciences
© Web inspection


| SPECIFICATIONS | 产品规格 |
| :--- | :--- |
| Model | PL8KCL－50KX |
| Sensor Type | Global Shutter CMOS |
| Image Mode | Mono |
| Optical Size | 41.60 mm |
| Resolution | $8320 * 16$ |
| Pixel Size | $5 \mu \mathrm{~m} * 5 \mu \mathrm{~m}$ |
| Max Line Rate | 50 kHz |
| Bit Depth | $8 / 10 \mathrm{bit}$ |
| Dynamic Range | $\geqslant 52 \mathrm{~dB}$ |
| Data Rate | $840 \mathrm{MB} / \mathrm{s}$ |
| Trigger Mode | External trigger／Internal free run |
| Exposure Control | Pulse width or Program |
| Analog Gain | $1 \mathrm{x}-4 \mathrm{x}$ |
| Digital Gain | $1 \mathrm{x}-8 \mathrm{x}$ |
| Lens Interface | $\mathrm{M} 72 * 0.75 / \mathrm{F}$ Mount |
| Data Interface | Camera Link |
| Power Interface | Hirose HR10A（6－pin） |
| Power Supply | DC12V $\pm 20 \% ~ 3 A$ |
| Power Consumption | $16 W$ |
| Dimensions | W79． $6 \mathrm{~mm} \times \mathrm{H} 139.5 \mathrm{~mm} \times$ D71． 5 mm |
| OperatingTemperature | $0-55^{\circ} \mathrm{C}$ |
| Storage Temperature | $-20-75^{\circ} \mathrm{C}$ |



## MECHANICAL DIMENSION 机械尺寸图



## PL8KCL－100KT

## FEATURES <br> 主要特征

（0） $8320 * 8$ Pixels， $5 \mu \mathrm{~m} * 5 \mu \mathrm{~m}$
（）Up to 100 kHz Line Rate
（ $)$ In 1，4 up to 8 Lines Integration
（0）High sensitivity and low noise
（0）True exposure control
（O）Regions of Interest（ROI）
（）FFC and LUT
© Camera Link Interface
（O）Power supply ：DC12V $\pm 20 \%$

## APPLIGATIONS <br> 应用领域

（）Parcel sorting
（O）Print inspection
（O）Flat panel display inspection
（ $)$ PCB inspection
（O）Raw material surface inspection
（O）Other industrial inspection

| SPECIFICATIONS | 产品规格 |
| :---: | :---: |
| Model | PL8KCL－100KT |
| Sensor Type | Global Shutter CMOS |
| Image Mode | Mono |
| Optical Size | 41.60 mm |
| Resolution | 8320 ＊ 8 |
| Pixel Size | $5 \mu \mathrm{~m} * 5 \mu \mathrm{~m}$ |
| Max Line Rate | 100 kHz |
| Bit Depth | 8／10／12 bit |
| Dynamic Range | $\geqslant 54 \mathrm{~dB}$ |
| Data Rate | 850 MB／s |
| Trigger Mode | External trigger／Internal free run |
| Exposure Control | Pulse width or Program |
| Analog Gain | $1 \mathrm{x}-4 \mathrm{x}$ |
| Digital Gain | $1 \mathrm{x}-8 \mathrm{x}$ |
| Lens Interface | M72＊0．75／F Mount |
| Data Interface | Camera Link |
| Power Interface | Hirose HR10A（6－pin） |
| Power Supply | DC12V $\pm 20 \%$ 3．5A |
| Power Consumption | 16 W |
| Dimensions | W79． $6 \mathrm{~mm} \times \mathrm{H} 139.5 \mathrm{~mm} \times \mathrm{D} 71.5 \mathrm{~mm}$ |
| OperatingTemperature | 0－55 ${ }^{\circ} \mathrm{C}$ |
| Storage Temperature | $-20-75^{\circ} \mathrm{C}$ |



## SPECTRAL RESPONSE 光谱响应图



## MECHANICAL DIMENSION 机械尺寸图



## PL8KCXP－43KC

## FEATURES

## 主要特征

（O）Trilinear color TDI sensor
（0）Line Rate up to 43 kHz
（O）Three colors：RGB（four line per color）
（0）High sensitivity and low noise
（O）True exposure control
（O）Bidirectional scanning
（O）Auto White Balance／FFC／ROI／Binning
（）CoaXPress interface
（O）Power supply ：DC12V $\pm 20 \%$

## APPLICATIONS <br> 应用领域

（O）Film and web inspection
（O）Printing inspection

（O）Flat panel display inspection
（O）Printed circuit board inspection
（O）Electronics inspectio

| SPECIFICATIONS | 产品规格 |
| :--- | :--- |
| Model | PL8KCXP－43KC |
| Sensor Type | Global Shutter CMOS |
| Image Mode | Color |
| Optical Size | 41.60 mm |
| Resolution | $8320{ }^{*} 12$ |
| Pixel Size | $5 \mu \mathrm{~m} * 5 \mu \mathrm{~m}$ |
| Max Line Rate | 43 kHz |
| Bit Depth | $8 / 10 \mathrm{bit}$ |
| Dynamic Range | $\geqslant 52.8 \mathrm{~dB}$ |
| Data Rate | $1216.8 \mathrm{MB} / \mathrm{s}$ |
| Trigger Mode | External trigger／Internal free run |
| Exposure Control | Pulse width or Program |
| Analog Gain | $1 / 2 / 4 \mathrm{x}$ |
| Digital Gain | $0.1 \mathrm{x}-8.0 \mathrm{x}$ |
| Lens Interface | M72 $* 0.75 / \mathrm{F}$ Mount |
| Data Interface | CoaXPress |
| Power Interface | Hirose HR10A（6－pin） |
| Power Supply | DC12V $\pm 20 \% ~ 3.5 A$ |
| Power Consumption | 21 W |
| Dimensions | W79．6mm x H139．5mm x D71．5mm |
| OperatingTemperature | $0-65^{\circ} \mathrm{C}$ |
| Storage Temperature | $-20-75^{\circ} \mathrm{C}$ |



## MECHANICAL DIMENSION 机械尺寸图



