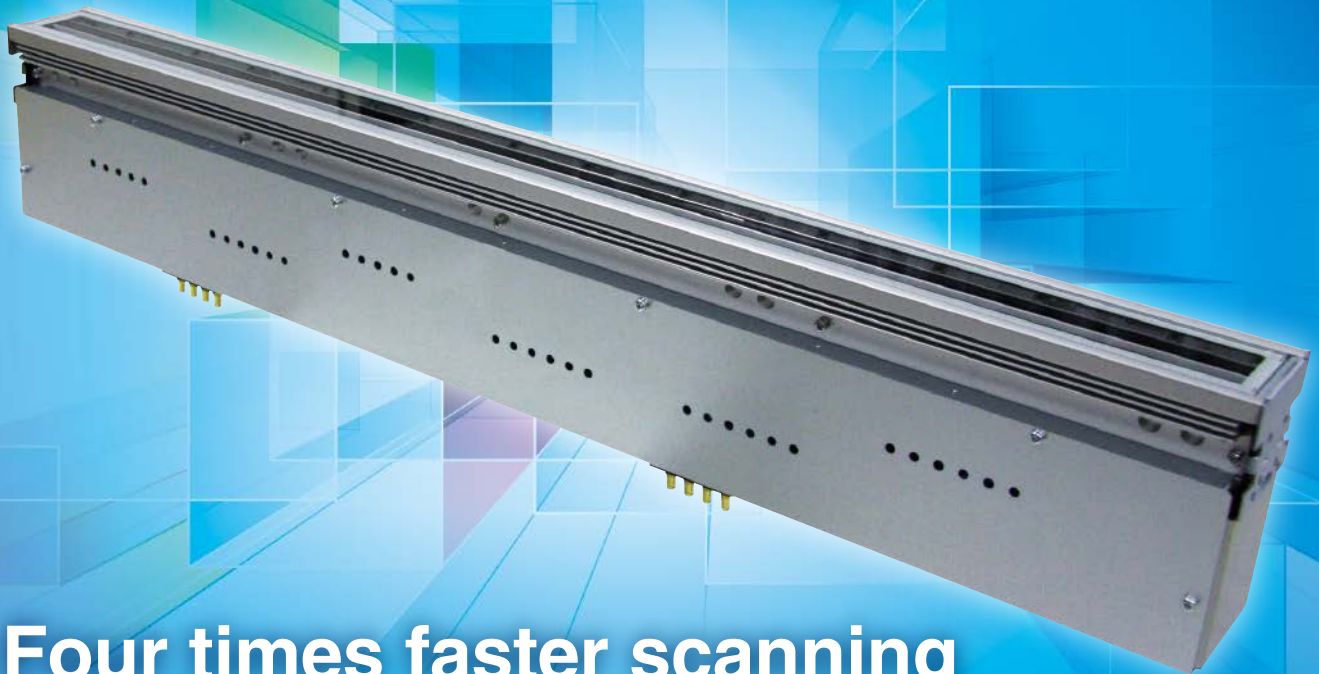


Contact Image Sensor (CIS)  
KD-CX series for surface inspection

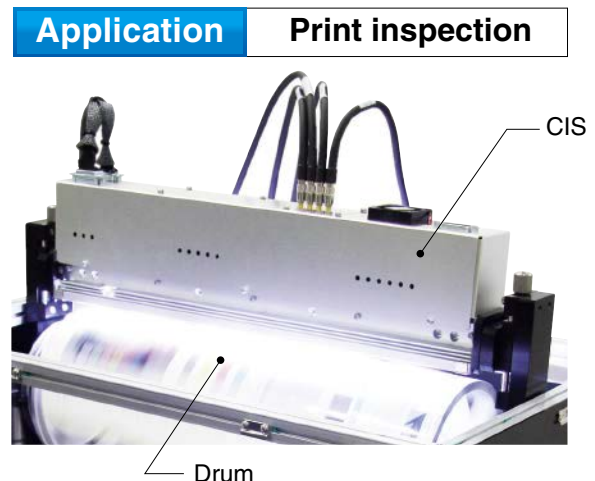
# High-speed line scan module for print inspection & surface scanning



## Four times faster scanning than KD-AX3 Series CIS (300dpi mode)!

- High-speed scanning:  
Max 91kHz (466m/min) with 300dpi color
- Binning Function (600/300/200/150dpi)
- Color/Monochrome switchable output
- CoaXPress®, GenICam®
- Electronic shutter & LED pulse control
- Internal FPGA temperature indicator

GenICam® is a registered trademark of the European Machine Vision Association (EMVA)  
CoaXPress® is a registered trademark of the Japan Industrial Imaging Association (JIIA)



# Contact Image Sensor (CIS) KD-CX Series

## Specifications

Item		Built-in light source			No light source		
		KD6R367CX	KD6R587CX	KD6R807CX	KD6R367CX-NL	KD6R587CX-NL	KD6R807CX-NL
Scan width	mm	367.0	587.2	807.4	367.0	587.2	807.4
Valid pixels	pixel	8,640×3	13,824×3	19,008×3	8,640×3	13,824×3	19,008×3
Pixel density	dpi	600					
Data output format	–	CoaXPress® Rev. 1.1					
Scan speed (kHz/line)	10bit	600dpi	50.6 / 55.0 (External / Internal sync mode)				
		300dpi	80.9 / 96.2 (External / Internal sync mode)				
		200dpi	100.9 / 130.6 (External / Internal sync mode)				
		150dpi	115.2 / 159.1 (External / Internal sync mode)				
	8bit	600dpi	55.0 / 55.0 (External / Internal sync mode)				
		300dpi	91.8 / 96.2 (External / Internal sync mode)				
		200dpi	112.0 / 130.6 (External / Internal sync mode)				
		150dpi	125.9 / 159.1 (External / Internal sync mode)				
Output data rate	Gbps	6.25×4max.x1ch	6.25×4max.x2ch		6.25×4max.x1ch	6.25×4max.x2ch	
Power*1	Sensor	5V×1 (8Amax.)	5V×2 (13Amax.)	5V×2 (16.5Amax.)	5V×1 (8Amax.)	5V×2 (13Amax.)	5V×2 (16.5Amax.)
	Light source	24V×1 (2.4Amax.)	24V×2 (3.6Amax.)	24V×2 (4.5Amax.)	–		
Light source	–	White LED array			–		
Exposure control	–	LED pulse duty control / Electronic shutter			– / Electronic shutter		
Focal point	mm	12 (from glass surface)			14.5 (from glass surface)		
Size (L×W×H)	mm	434×62×112	654×62×112	874×62×112	434×62×106	654×62×106	874×62×106
Weight	kg	2.6	3.9	5.1	1.9	2.9	3.8
Regulatory compliance	–	RoHS and CE					

\*1 Single 24V power supply unit for KD-CX Series (KDCX24VPW) is not included.

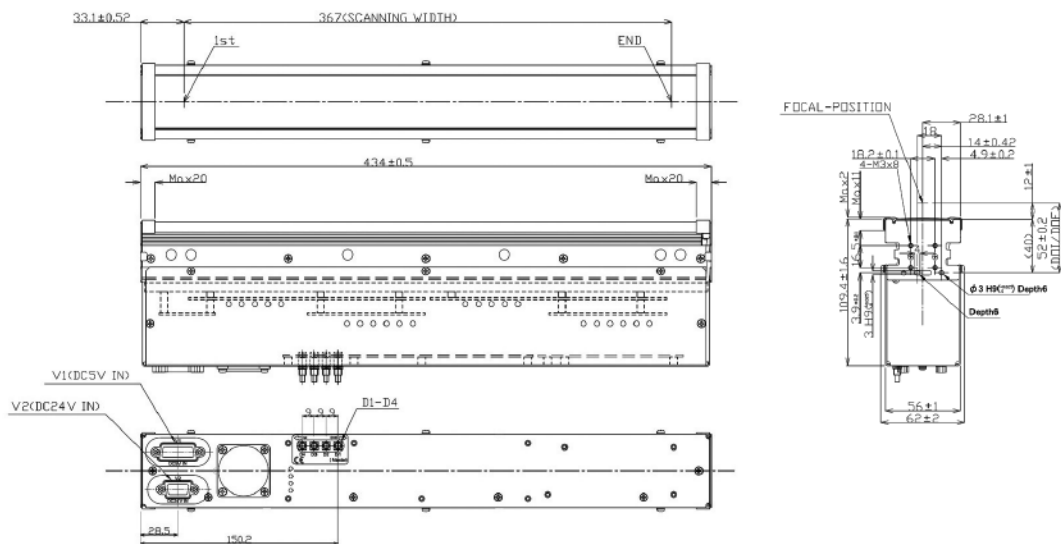
(Ref.) Adaptable scanning speed limitation for each resolution

External Sync	600dpi	300dpi	200dpi	150dpi
10bit	128m/min	411m/min	769m/min	1,170m/min
8bit	140m/min	466m/min	854m/min	1,279m/min

Internal Sync	600dpi	300dpi	200dpi	150dpi
10bit	140m/min	488m/min	995m/min	1,616m/min
8bit	140m/min	488m/min	995m/min	1,616m/min

## Outline

Model : KD6R367CX



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