

LineX Series CIS

Micro Working Distance Camera

Product model: INS-CHVS-813-10GM



1.Product Outline			
Item	INS-CHVS-813-10GM-BB	INS-CHVS-813-10GM-AA	Note
Digital Data Output Interface	10GigE	10GigE	
Scanning width	813	813	mm
Resolution	600	300	DPI
Effective pixel point	19222	9634	Pixels
Line frequency	66	110	kHz
Scanning speed	2.8	9.3	m/s
Data transfer rate	10	10	Gbps
Power supply	+24V×3A	+24V×3A	To control boards
	+24V×6A	+24V×6A	To LED boards
Focus position(from glass surface)	15	15	mm
Image format	Mono8	Mono8	
Appearance Colour	Black	Black	

2.Serial Interface

This serial interface uses hex code.

Item	Value
Baud rate	115200
Start bit	1
Data bit	8
Parity bit	None
Stop bit	1
Flow control	None

3.Maximum Rating

Item	Symbol	Specification	Note
DC supply voltage	Control boards	+24V±1V	
	LED boards	+24V±1V	
Ambient temperature	Ta	0~+40°C	Operating
		-20~60°C	Storage
Ambient humidity		10%~90%RH	

4.Connector Plug/Unplug

Unplug & plug the cable number should be less than 50. The connector will be ineffective if it is extracted and inserted over that number.

5. Stable Operation

(1) The connector pins should not be touched by bare hands or electrostatic charge materials.

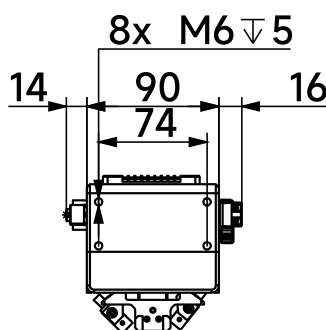
(2)Latch-up

When the supply voltage exceeds the absolute maximum, Latch-up will occur. Latch-up will cause the sensor to be broken, even if the voltage is caused by a surge. If the current varies rapidly in the external circuit, or when the power is switched on and off very frequently, ensure that the voltage of each terminal does not exceed the values indicated in below.

(3) Absolute maximum rating

Item	Specification		Unit
	Min.	Max.	
Control boards supply voltage	-0.3	+25	V
LED boards supply voltage	-0.3	+25	
Shaft encoder input voltage	-0.3	5.5	
External trigger input voltage	-0.3	25	
External trigger output voltage	-0.3	25	

Technical drawing of the NS 813 camera module. The drawing shows the top and side views. The top view indicates a length of 896mm and a width of 102mm. The side view indicates a height of 6mm. The front view shows the camera lens and the text "NS 813". The drawing also includes the dimensions FW 813MM and WD 15MM.



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