

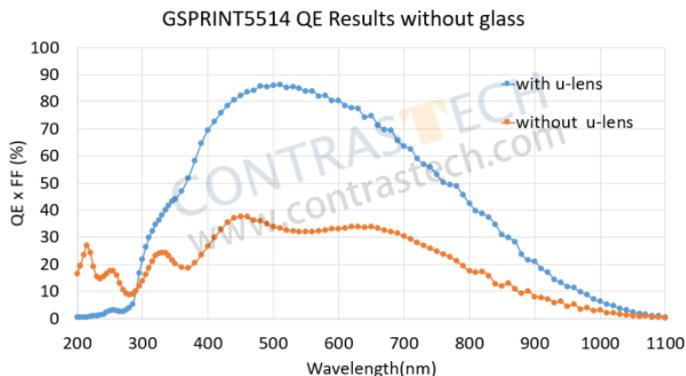


- 14MP resolution @up to 340 fps
- CXP-12 interface for data transmission
- Global shutter CMOS, high dynamic range, good signal-to-noise ratio, excellent image quality
- Compatible with CoaXPRESS Protocol, GenICam Standard, and the third-party software based on these protocol and standard
- Support Windows

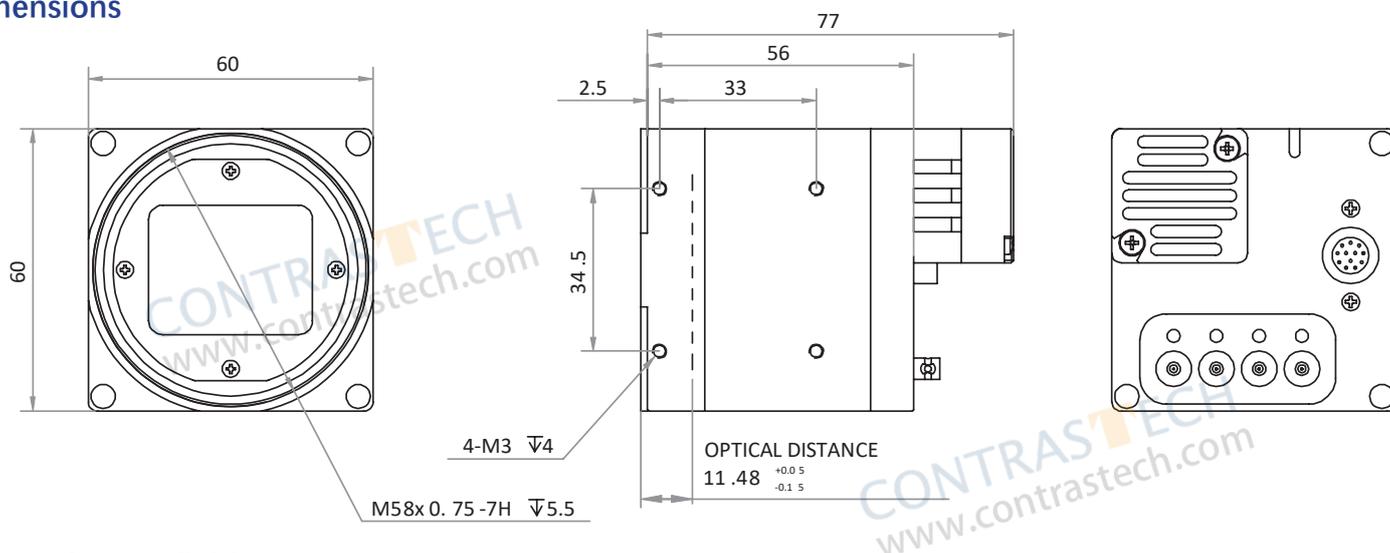
**Applied range** • Defect Detection • Surface Patch Detection • Visual Positioning • Size Measuring • QR Code Reading • VR/AR • Logistics

Camera	LEO 14MG-340xm-M58
Resolution [H*V]	4608 × 3072
Sensor	Gpixel Gsprint5514
Sensor Size	25.34 mm × 16.9 mm
Sensor Technology	CMOS, Global
Pixel Size	5.5 μm × 5.5 μm
Frame Rate	340 fps
Exposure Time	2μs~10s
Dynamic Range	75dB
Mono/Color	Mono
Image Format	Mono 8/10/12
Interface	CoaXPRESS (Micro-BNC □) ,4link CXP-12
Synchronization	Via hardware trigger、software trigger or free run mode
Housing Size	60 × 60 × 77 mm (790g)
Operating Temperature	-30~80 ° C (Storage), 0~50° C (Working)
Lenses Mount	M58*0.75 □, BFL 11.48 mm
Digital I/O	12-pin: Opto-isolated input x 1, opto-isolated output x 1, bi-directional custom non-isolated I/O x 1,RS232 x 1
Power Input	DC 12-24V, CXP-0/1 supports PoCXP
Power Consumption	24V @14.2W
Driver	Frame Grabber Software Compliant With CoaXPRESS Protocol
Operating System	Windows
Conformity	CoaXPRESS, GenICam

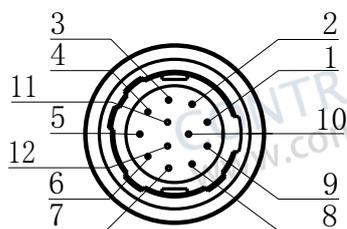
### Spectral Response



### Dimensions



### IO Interface Definitions



Color	Pin	Signal	Signal Source	Designation
Black	1	GND	Line2-	Camera Power Supply Ground
Red	2	DC_PWR	-	DC Camera Power
Brown	3	DC_PWR	-	DC Camera Power
Orange	4	OPTO_IN-	Line0-	Opto-isolated input ground
Yellow	5	OPTO_OUT-	Line1-	Opto-isolated output ground
Green	6	GND	-	Camera Power Supply Ground
Blue	7	GND	-	Camera Power Supply Ground
Purple	8	232_RXD	-	RS232 Received Data
Gray	9	232_TXD	-	RS232 Transmitted Data
White	10	GPIO2	Line2+	Configurable input or output
Pink	11	OPTO_OUT	Line1+	Opto-isolated output
Light green	12	OPTO_IN	Line0+	Opto-isolated input



The I/O definitions in this manual apply only to ContrasTech standard cables for iDatum cameras. Connect according to the I/O types and pinout. Using cables with different color codes from other manufacturers may cause incorrect connections and damage the camera. Always use ContrasTech standard cables.

