3D Industrial Cameras

D7200MG200E

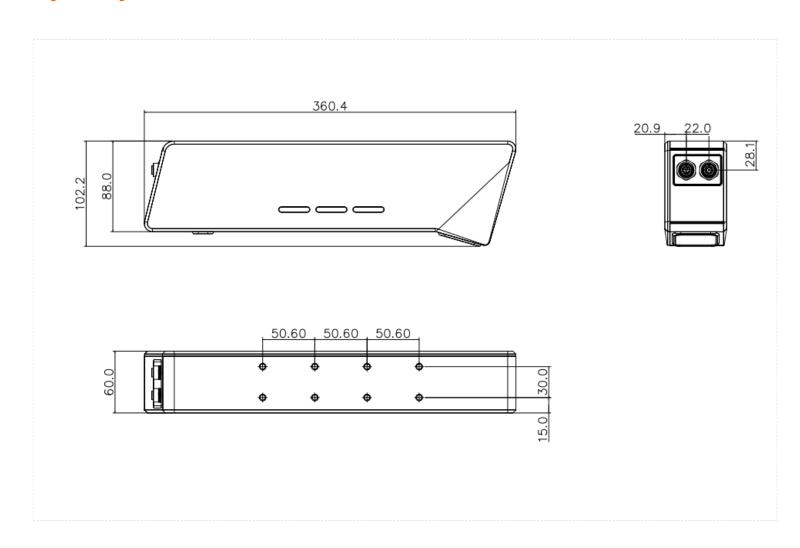


Features

RAYPLE

- Millimeter-level 3D measurement results with high output speed (5 mm accuracy).
- Gigabit network makes data transmission efficient and stable.
- Narrow-band filter design with powerful anti-interference performance.
- Built-in aviation connector with anti-dust and light rainproof design.
- Support result output in point-cloud, dimensions, volume (integral and bounding box), top surface coordinates.

Dimensions (mm)





Specification

Series 7000 Series	Model		D7200MG200E
Basic Max. Frame rate 600 fps Trigger Mode FreeRun, External Trigger, Coder Trigger (support trigger signal input with up to 100 kHZ). Software MV Viewer, Volume3D Certifications CE, BIS Near FoV 1100 mm Far FoV 2600 mm Clearance Distance 700 mm Measuring Range 1100 mm Measuring Accuracy 5 mm × 5 mm × 5 mm (regular object) Max. Operating Speed 3 m/s Data Type Point Cloud, Dimensions, Volume (integral and bounding box), Top Surface Coordinates. Laser Grade Class 3B Wavelength 808 mm Network Port Gigabit Network Potter Fort Gigabit Network Potter Fort J/O interface with 12-pin, including opto-isolated input × 3 (Line0/1/2), opto-isolated output × 2 (Line3/4), RS-232 serial port × 1. Communication protocol SDK, TCPServer, TCPClient, Profinet LED Indicator Status, Network Laser Power Supply Support wide voltage invironments with 12 VDC-24 VDC, and can be adaptive to different industrial voltage environments with 12 VDC or 24 VDC. Power Consumption < 20 W	Basic	Series	7000 Series
Performance Trigger Mode FreeRun, External Trigger, Coder Trigger (support trigger signal input with up to 100 KHZ). Software MV Viewer, Volume3D Certifications CE, BIS Near FoV 1100 mm Far FoV Clearance Distance 700 mm Measuring Range 1100 mm Measuring Range 1100 mm Measuring Accuracy 5 mm × 5 mm × 5 mm (regular object) Max. Operating Speed 3 m/s Data Type Point Cloud, Dimensions, Volume (integral and bounding box), Top Surface Coordinates. Laser Grade Class 3B Wavelength 808 mm Connector Two industrial-grade M12 connectors, including Ethernet interface and I/O interface. Network Port Gigabit Network 1/O interface with 12-pin, including opto-isolated input × 3 (Lineo/1/2), opto-isolated output × 2 (Line3/4), RS-232 serial port × 1. Communication protocol SDK, TCPServer, TCPClient, Profinet LED Indicator Status, Network, Laser Power Power Consumption < 20 W Product Dimensions 360 mm × 102 mm × 60 mm Net Weight About 1.5 kg Protection IP65 Operating Temperature -10°C to 50°C (12°F to 122°F) Operating Humidity 20% to 85%RH, Non-condensing		Model	D7200MG200E
Performance Freekum, External Trigger, Coder Trigger (support trigger signal input with up to 100 KHZ). Software M/V Viewer, Volume3D		Max. Frame rate	600 fps
Performance		Trigger Mode	
Performance Power Power Power Power Power Consumption Power Consumption Performance Performance Performance Performance Performance Protection Performance Perform		Software	MV Viewer, Volume3D
Performance Far FoV 2600 mm Performance Measuring Range 1100 mm Measuring Accuracy 5 mm × 5 mm × 5 mm (regular object) Max. Operating Speed 3 m/s Data Type Point Cloud, Dimensions, Volume (integral and bounding box), Top Surface Coordinates. Laser Grade Class 3B Wavelength 808 nm Connector Two industrial-grade M12 connectors, including Ethernet interface and I/O interface. Network Port Gigabit Network GPIO Interface I/O interface with 12-pin, including opto-isolated input × 3 (Line0/1/2), opto-isolated output × 2 (Line3/4), RS-232 serial port × 1. Communication protocol SDK, TCPServer, TCPClient, Profinet LED Indicator Status, Network, Laser Power Support wide voltage input with 12 VDC-24 VDC, and can be adaptive to different industrial voltage environments with 12 VDC or 24 VDC. Power Consumption < 20 W		Certifications	CE, BIS
Performance Clearance Distance 700 mm Measuring Range 1100 mm Measuring Accuracy 5 mm × 5 mm × 5 mm (regular object) Max. Operating Speed 3 m/s Data Type Point Cloud, Dimensions, Volume (integral and bounding box), Top Surface Coordinates. Laser Grade Class 3B Wavelength 808 mm Port Grabit Network Interface Network Port Gigabit Network GPIO Interface I/O interface with 12-pin, including opto-isolated input × 3 (Line0/1/2), opto-isolated output × 2 (Line3/4), RS-232 serial port × 1. Communication protocol SDK, TCPServer, TCPClient, Profinet LED Indicator Status, Network, Laser Power Supply Support wide voltage input with 12 VDC~24 VDC, and can be adaptive to different industrial voltage environments with 12 VDC or 24 VDC. Structure Product Dimensions 360 mm × 102 mm × 60 mm Structure Net Weight About 1.5 kg Protection IP65 Environment Operating Humidity 20% to 85%RH, Non-condensing	Performance	Near FoV	1100 mm
Performance Measuring Accuracy 5 mm × 5 mm × 5 mm (regular object) Max. Operating Speed 3 m/s Data Type Point Cloud, Dimensions, Volume (integral and bounding box), Top Surface Coordinates. Laser Grade Class 3B Wavelength 808 nm Point Connector Two industrial-grade M12 connectors, including Ethernet interface and I/O interface. Network Port Gigabit Network GPIO Interface I/O interface with 12-pin, including opto-isolated input × 3 (Line0/1/2), opto-isolated output × 2 (Line3/4), RS-232 serial port × 1. Communication protocol SDK, TCPServer, TCPClient, Profinet LED Indicator Status, Network, Laser Power Supply Support wide voltage input with 12 VDC-24 VDC, and can be adaptive to different industrial voltage environments with 12 VDC or 24 VDC. Power Consumption < 20 W		Far FoV	2600 mm
Performance Measuring Accuracy Max. Operating Speed Amx. Operating Speed Data Type Point Cloud, Dimensions, Volume (integral and bounding box), Top Surface Coordinates. Laser Grade Class 3B Wavelength 808 nm Two industrial-grade M12 connectors, including Ethernet interface and I/O interface. Network Port Gigabit Network GPIO Interface I/O interface with 12-pin, including opto-isolated input × 3 (Line0/1/2), opto-isolated output × 2 (Line3/4), RS-232 serial port × 1. Communication protocol SDK, TCPServer, TCPClient, Profinet LED Indicator Status, Network, Laser Power Power Supply Support wide voltage input with 12 VDC-24 VDC, and can be adaptive to different industrial voltage environments with 12 VDC or 24 VDC. Power Consumption 		Clearance Distance	700 mm
Max. Operating Speed 3 m/s Data Type Point Cloud, Dimensions, Volume (integral and bounding box), Top Surface Coordinates. Laser Grade Class 3B Wavelength 808 nm Connector Two industrial-grade M12 connectors, including Ethernet interface and I/O interface. Network Port Gigabit Network GPIO Interface I/O interface with 12-pin, including opto-isolated input × 3 (Line0/1/2), opto-isolated output × 2 (Line3/4), RS-232 serial port × 1. Communication protocol SDK, TCPServer, TCPClient, Profinet LED Indicator Status, Network, Laser Power Supply Support wide voltage input with 12 VDC~24 VDC, and can be adaptive to different industrial voltage environments with 12 VDC or 24 VDC. Power Consumption < 20 W Product Dimensions 360 mm × 102 mm × 60 mm Net Weight About 1.5 kg Protection IP65 Operating Temperature -10°C to 50°C (12°F to 122°F) Environment Operating Humidity 20% to 85%RH, Non-condensing		Measuring Range	1100 mm
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Data Type Coordinates.		Max. Operating Speed	3 m/s
Wavelength 808 nm		Data Type	
Port Connector Two industrial-grade M12 connectors, including Ethernet interface and I/O interface. Network Port Gigabit Network GPIO Interface I/O interface with 12-pin, including opto-isolated input × 3 (Line0/1/2), opto-isolated output × 2 (Line3/4), RS-232 serial port × 1. Communication protocol SDK, TCPServer, TCPClient, Profinet LED Indicator Status, Network, Laser Power Supply Support wide voltage input with 12 VDC~24 VDC, and can be adaptive to different industrial voltage environments with 12 VDC or 24 VDC. Power Consumption < 20 W Product Dimensions 360 mm × 102 mm × 60 mm Net Weight About 1.5 kg Protection IP65 Operating Temperature -10°C to 50°C (12°F to 122°F) Operating Humidity 20% to 85%RH, Non-condensing		Laser Grade	Class 3B
Port Network Port Gigabit Network		Wavelength	808 nm
Port GPIO Interface I/O interface with 12-pin, including opto-isolated input × 3 (Line0/1/2), opto-isolated output × 2 (Line3/4), RS-232 serial port × 1. Communication protocol SDK, TCPServer, TCPClient, Profinet LED Indicator Status, Network, Laser Power Supply Support wide voltage input with 12 VDC~24 VDC, and can be adaptive to different industrial voltage environments with 12 VDC or 24 VDC. Power Consumption < 20 W Product Dimensions 360 mm × 102 mm × 60 mm Net Weight About 1.5 kg Protection IP65 Operating Temperature -10°C to 50°C (12°F to 122°F) Environment Operating Humidity 20% to 85%RH, Non-condensing	Port	Connector	
Opto-isolated output × 2 (Line3/4), RS-232 serial port × 1. Communication protocol SDK, TCPServer, TCPClient, Profinet LED Indicator Status, Network, Laser Power Supply Support wide voltage input with 12 VDC~24 VDC, and can be adaptive to different industrial voltage environments with 12 VDC or 24 VDC. Power Consumption < 20 W Product Dimensions 360 mm × 102 mm × 60 mm Net Weight About 1.5 kg Protection IP65 Operating Temperature -10°C to 50°C (12°F to 122°F) Environment Operating Humidity 20% to 85%RH, Non-condensing		Network Port	Gigabit Network
LED Indicator Status, Network, Laser		GPIO Interface	
PowerSupport wide voltage input with 12 VDC~24 VDC, and can be adaptive to different industrial voltage environments with 12 VDC or 24 VDC.Power Consumption< 20 WStructureProduct Dimensions360 mm × 102 mm × 60 mmNet WeightAbout 1.5 kgProtectionIP65Operating Temperature-10°C to 50°C (12°F to 122°F)EnvironmentOperating Humidity20% to 85%RH, Non-condensing		Communication protocol	SDK, TCPServer, TCPClient, Profinet
Power Supply industrial voltage environments with 12 VDC or 24 VDC. Power Consumption < 20 W Product Dimensions 360 mm × 102 mm × 60 mm Net Weight About 1.5 kg Protection IP65 Operating Temperature -10°C to 50°C (12°F to 122°F) Operating Humidity 20% to 85%RH, Non-condensing		LED Indicator	Status, Network, Laser
Structure Product Dimensions 360 mm × 102 mm × 60 mm Net Weight About 1.5 kg Protection IP65 Operating Temperature Operating Humidity 20% to 85%RH, Non-condensing	Power	Power Supply	
Structure Net Weight About 1.5 kg Protection IP65 Operating Temperature Operating Humidity 20% to 85%RH, Non-condensing		Power Consumption	< 20 W
Protection IP65 Operating Temperature -10°C to 50°C (12°F to 122°F) Environment Operating Humidity 20% to 85%RH, Non-condensing	Structure	Product Dimensions	360 mm × 102 mm × 60 mm
Operating Temperature -10°C to 50°C (12°F to 122°F) Environment Operating Humidity 20% to 85%RH, Non-condensing		Net Weight	About 1.5 kg
Environment Operating Humidity 20% to 85%RH, Non-condensing		Protection	IP65
	Environment	Operating Temperature	-10°C to 50°C (12°F to 122°F)
Storage Temperature -30°C to 80°C (-22°F to 176°F)		Operating Humidity	20% to 85%RH, Non-condensing
		Storage Temperature	-30°C to 80°C (-22°F to 176°F)