

Go Series

Small and robust industrial area scan cameras

GLOBAL SHUTTER

VIBRATION 10G

SHOCK 80G

MTBF >200K HOURS

TEMP -5°/+45°

POWER 12V - 24V DC

46 GRAMS

MULTI ROI

3 YEARS WARRANTY



GO-5000



With Anafocus Lince 5M

- 5 MP CMOS
- 2560 x 2048 pixels
- Up to 62 fps (With USB3 Vision)
- Up to 22 fps (with GigE Vision)
- Up to 107 fps (With PMCL)
- 5 μ m x 5 μ m pixel size
- Sequence trigger
- Multi-ROI
- GigE PoE, USB3 Vision, PMCL interface



GO-5100



With SONY IMX250

- 5.1 MP CMOS
- 2464 x 2056 pixels
- Up to 74 fps (With USB3 Vision)
- Up to 22.7 fps (With GigE)
- 3.45 μ m x 3.45 μ m pixel size
- 2/3" optical format
- Multi-ROI
- GigE PoE, USB3 Vision interface



GO-5101



With SONY IMX264

- 5.1 MP CMOS
- 2464 x 2056 pixels
- Up to 22.7 fps (With GigE)
- Up to 35.6 fps (With PMCL)
- 3.45 μ m x 3.45 μ m pixel size
- 2/3" optical format
- GigE PoE, PMCL interface



GO-2400



With SONY IMX174

- 2.35 MP CMOS
- 1936 x 1216 pixels
- Up to 159 fps (With USB3 Vision)
- Up to 48 fps (With GigE Vision)
- Up to 165.5 fps (With PMCL)
- 5.86 μ m x 5.86 μ m pixel size
- Sequence trigger
- Multi-ROI
- GigE PoE, USB3 Vision, PMCL interface



GO-2401



With SONY IMX249

- 2.35 MP CMOS
- 1936 x 1216 pixels
- Up to 41.0 fps (With GigE)
- 5.86 μ m x 5.86 μ m pixel size
- Sequence trigger
- GigE PoE interface



JAI's Go Series delivers an exceptional blend of small size, high versatility, and excellent performance, all at an entry-level price, making it the perfect starting point for a wide range of machine vision applications.

Try the original 5-megapixel GO-5000 camera with its flexible ROI and binning capabilities for maximum speed and versatility. Or choose the GO-2400, featuring the highly-regarded 2.35 megapixel Sony Pregius™ IMX174 CMOS imager, offering high dynamic range and the lowest noise in its class. And the newest addition, the GO-5100-PGE, provides this same low-noise technology in a 5.1-megapixel resolution.

All Go Series models feature a 29 x 29 x 52 mm size and weigh just 46 grams. They are ruggedly built for the real world, with robust housings and extensive shock (80G) and vibration (10G) testing to maximize their ability to withstand harsh industrial environments. Which is why they can carry an MTBF rating exceeding 200,000 hours - your guarantee for reliable operation and low-cost-of-ownership throughout the cameras' lifetime.

They're the perfect fit for a wide range of applications AND budgets! Want to give it a GO?

Learn more at www.jai.com/go



See the possibilities

Region Of Interest (ROI) creates many possibilities:

Go Series

Example 1:



Example 2:



Example 3:



Examples :

GO-5000-PMCL:	5 MP, 2560 X 2048 107 fps 1-inch lens circle	HDTV ROI, 1920 X 1080 202 fps 2/3-inch lens circle	VGA ROI, 640 x 480 447 fps 1/3-inch lens circle
GO-2400-PMCL:	2.35 MP, 1936 x 1216 165.5 fps 1/1.2-inch lens circle	XGA 1024 x 768 257.4 fps 2/3-inch lens circle	VGA ROI, 640 x 480 400 fps 1/4-inch lens circle

Small size:



Selection of interfaces:



GIGE
VISION

GO-5000-PGE
GO-5100-PGE
GO-5101-PGE
GO-2400-PGE
GO-2401-PGE



USB
VISION

GO-5000-USB
GO-5100-USB
GO-2400-USB



mini
CAMERA
Link

GO-5000-PMCL
GO-5101-PMCL
GO-2400-PMCL

Application examples:



Food inspection



Packaging and print inspection



Robotics



Automotive body & part inspection



Sports and entertainment



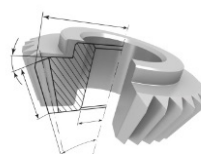
Pharmaceutical



SMT inspection



Barcode recognition



Metrology



Production quality control

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