

## GENIE™ NANO-10GigE CAMERAS

### KEY FEATURES

- 10 GigE Ethernet port & hardware
- Industry's smallest 67M 10GigE Vision camera
- Simplified set-up with field proven Sopera LT software featuring CamExpert
- Engineered to accommodate industrial environment with a ruggedized screw mount RJ-45 connector

### PROGRAMMABILITY

- Higher frame rates achievable in partial scan mode
- Global electronic shutter with exposure control
- Multi-exposure feature
- Multi-ROI feature up to 16 x Regions of Interest
- Metadata support
- IEEE1588 (Precision Time Protocol) support
- Binning
- Look-up-table and More

### RELIABILITY

- Robust all-metal body
- 3 year warranty
- Trigger to Image Reliability (T2IR) framework improves the reliability of your inspection system and protects you from data loss

### TYPICAL APPLICATIONS

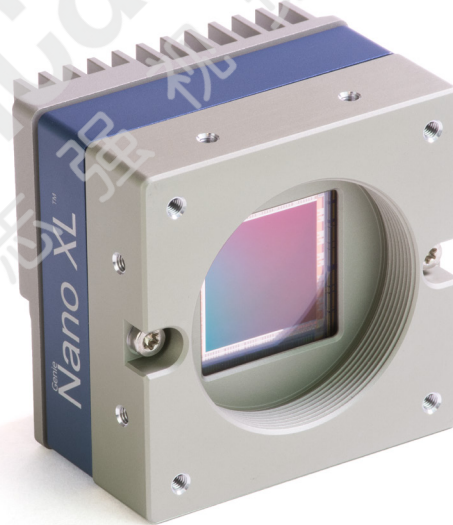
- Electronics manufacturing inspection
- Intelligent traffic systems
- Aerial Imaging
- Sport and Entertainment

### REGULATORY COMPLIANCE

- GenICam, GigE Vision 2.0, CE, FCC, and RoHS compliant

Compact GigE Vision cameras with unprecedented speed and uncompromised image quality.

The new Genie™ Nano-10GigE series delivers a futureproof and scalable solution with significantly higher interface speeds and resolutions, offering system designers an easy integration path for application upgrades requiring higher speed data capture and transfers. Coupling a compact 59 mm x 59 mm form factor, system designers can transition from 1, 2.5, 5GigE to 10GigE Vision without the need for software changes.



### GENIE NANO-10GigE INDIVIDUAL MODEL SPECIFICATIONS

	Active Resolution	Sensor Model	Frame Rate	Pixel Size	Dynamic Range	Max. Image Circle	Data Format	Model Part Numbers
Nano-10GigE-M6200	6,144 x 6,144	Teledyne e2v Emerald 36M	18.5 fps	2.5 µm	62 dB	1.4"	8 or 10-bit Mono	G6-GM31-M6205
Nano-10GigE-C6200	6,144 x 6,144	Teledyne e2v Emerald 36M	18.5 fps	2.5 µm	62 dB	1.4"	8 or 10-bit Bayer	G6-GC31-C6205
Nano-10GigE-M8200	8,192 x 8,192	Teledyne e2v Emerald 67M	13.8 fps	2.5 µm	62 dB	APS-C	8 or 10-bit Mono	G6-GM31-M8205
Nano-10GigE-C8200	8,192 x 8,192	Teledyne e2v Emerald 67M	13.8 fps	2.5 µm	62 dB	APS-C	8 or 10-bit Bayer	G6-GC31-C8205

### GENIE NANO-10GigE FAMILY SPECIFICATIONS (COMMON TO ALL MODELS)

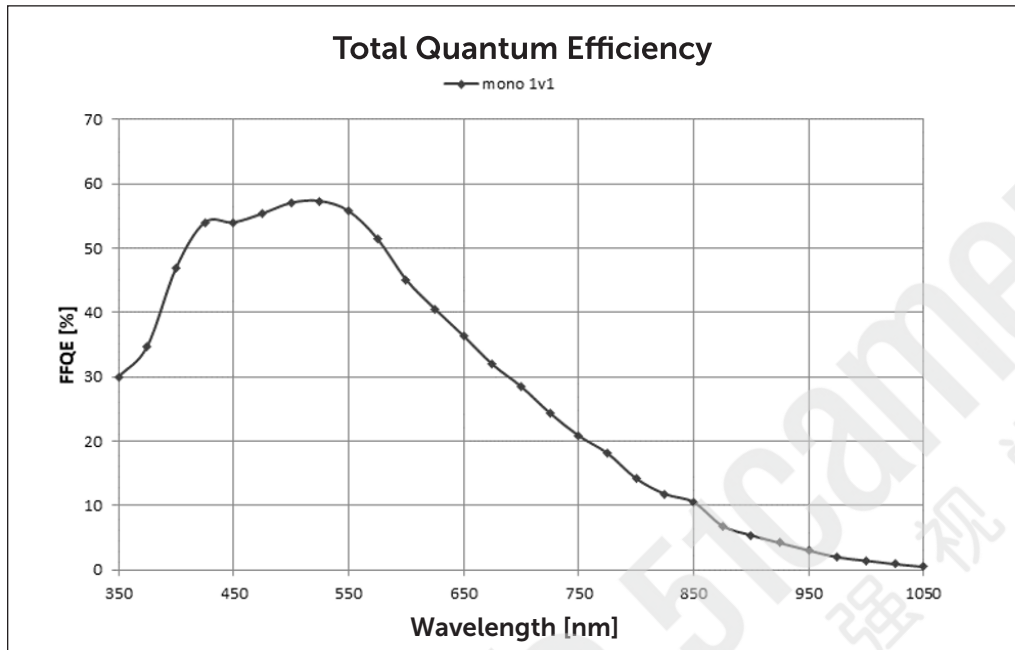
Feature	GENIE NANO-10GigE (XL Casing) Applicable to p/n : G6-Gxxx-xxxx5
Data Output Transfer	Gigabit Ethernet (10Gbps, 5Gbps, 2.5Gbps, and 1Gbps auto-negotiated)
Exposure Control	Automatic, programmable, or via external trigger
I/O Ports	2 opto-isolated inputs, 3 opto-isolated outputs
Lens Mount	M42-mount
Size (L x H x W)	41 mm x 59 mm x 59 mm
Mass	183 g
Operating Temp	-20 to +60°C (Housing Temperature)
Power Supply	10 to 36V or Power Over Ethernet (POE)
Power Dissipation (model dependent)	12.5 W
Data Connector	Standard or screw mount RJ-45
Power and I/O Connector	SAMTEC TFM-105 type
Camera Specification	GigE Vision v2.0
Software Platform	Teledyne Sopera LT 8.6 or newer for Windows, Teledyne DALSA GigE-V for Linux or 3rd Party GenICam compliant SDK

**RESPONSIVITY GRAPHS**

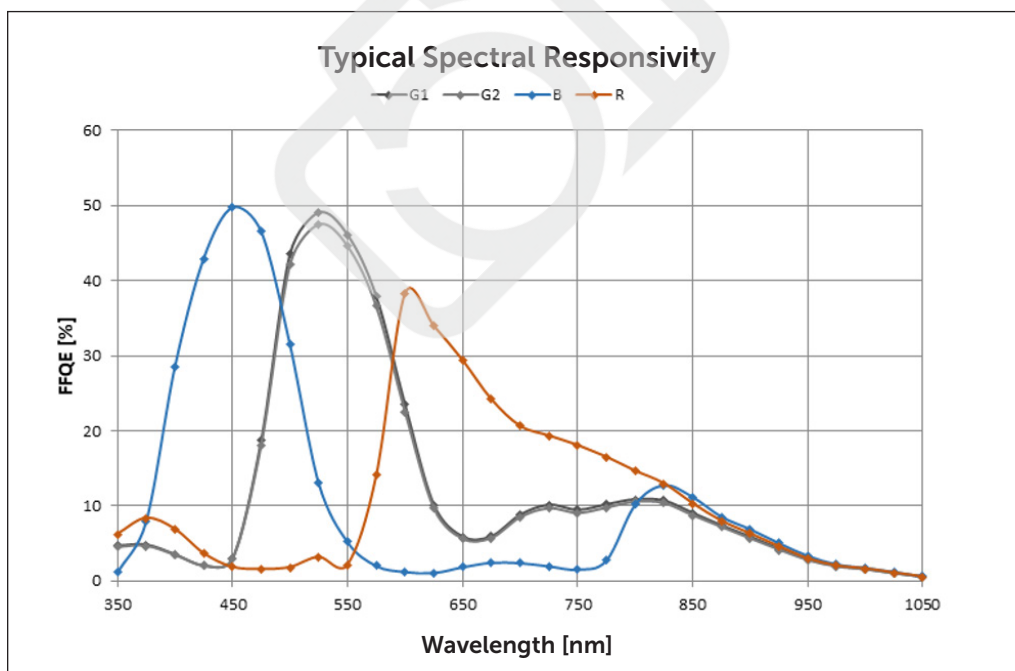
**Spectral Sensitivity Characteristics**

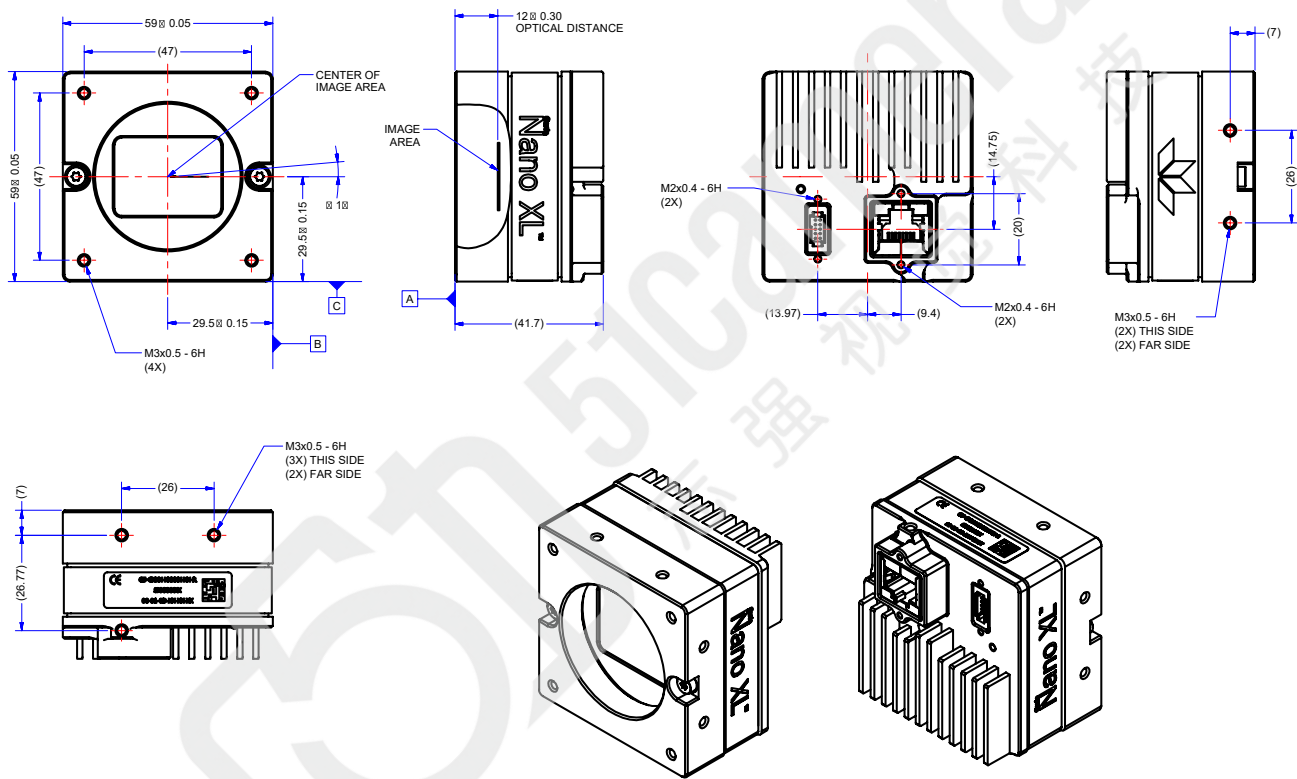
Excludes lens characteristics and light source characteristics

**GENIE NANO-10GigE M8200 / M6200**



**GENIE NANO-10GigE C8200 / C6200**



**DRAWING OF P/N : G6-Gxxx-xxxx5**


NOTES:  
 1. UNITS: MILLIMETERS.  
 2. IMAGE AREA IS ALIGNED TO DATUMS **A**, **B** & **C**.

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