

At a Glance

PPT Vision M-Series specialty cameras support today's complex vision requirements that call for high-speed, high-quality inspections and measurements. These GigE Vision-compliant models represent the industry's latest advances in camera technologies, powered by PPT Vision Impact Software and supported globally by exceptional engineering expertise and customer service.

8-Megapixel Progressive Scan

The PPT GigE 8-megapixel camera is best suited for inspections that require a high-resolution, superior-quality image and a wide field of view as well as a higher frame rate. This rugged, industrial-grade camera will withstand the rigors of manufacturing settings with exceptional resolution and quality.



Features

- 8-MP, 4/3" type progressive scan CCD
- 3296 x 2472 pixel resolution
- 5.5 μm square pixels
- 10 frames per second (fps) at full resolution
- GigE Vision interface with 8-bit monochrome/Bayer output
- Rugged construction with ridged housings, heat sinks and an internal temperature sensor

3CCD

The 3CCD camera has a prism-block assembly which supports three 1/1.8-inch CCDs to provide high resolution and superior light gathering. With its high image quality, the 3CCD camera is well suited for a wide range of inspections within the printing, electronics and general manufacturing industries.



Features

- 2-MP, 3CCD RGB color
- 1620 x 1236 active pixels per color channel
- 15 fps at full resolution
- 24- or 30-bit GigE Vision output
- Individually controllable alignment process for high image fidelity

Ultra-Violet

This GigE Vision camera is designed to capture images of UV-sensitive materials or objects that can only be imaged with ultra-violet light. It provides progressive scan operation with 1.4 million pixels resolution and features the Sony ICX407BLA sensor for extended sensitivity to below 200 nm.



Features

- 1/2" monochrome progressive scan
- 1380 x 1040 pixel resolution
- 16 fps in continuous operation
- UV-sensitive CCD

Remote Head

The remote-head camera represents the first mobile imaging capability in an integrated machine vision system. This compact model is designed for inspections where electronics must be positioned away from the camera, such as connector inspection or microelectronics assembly operations.



Features

- 1/3" monochrome progressive scan with a 17 mm remote head
- 656 x 494 active pixels
- 120 fps with external trigger and full resolution
- GigE Vision interface with 8-bit output

Specifications

SPECIALTY CAMERA	MODEL	RESOLUTION	IMAGER	FRAME RATE (FPS)
8-Megapixel	AM-800GE-F	3296 x 2472	KAI-08050	10
3CCD RGB Color	AT-200GE	1620 x 1236	ICX274AL	15
Ultra-Violet	CM-140GE-UV	1380 x 1040	ICX407BLA	16
Remote Head	CM-030GE	656 x 494	ICX424	120

Benefits

- Streamlined functionality and expanded image management capabilities
- GigE-compatible for fast integration with PPT M-Series processors
- Supported by PPT Vision Impact Software
- Global distribution network with exceptional customer service