

DAHENG IMAGING  
SINCE 1991



*29 Years Dedicated to Machine Vision!*



About Us

# Welcome



Daheng Science & Technology Tower

Founded in 1991, DAHENG IMAGING is a leading supplier for professional imaging components as well as machine vision solutions. Since its founding, the company has been dedicated to the advancement of imaging & vision technologies and delivered a range of own-developed vision products with many proprietary innovations. Being a know-how company with long history in machine vision industry, DAHENG IMAGING deserves trusts from counterparts all over the world and has established close cooperation. After over two decades of rapid growth, DAHENG IMAGING becomes one of the most famous and successful vision company in China. As core asset of public company DAHENG TECH ( stock symbol: 600288), DAHENG IMAGING is committed to providing our customers with cutting edge technology, high quality products and perfect service.



Automated Imaging Association



ISO9001:2000

# Our Story





# Our Philosophies

## Integrity

Being honest and having strong moral principles are at the heart of our culture. We firmly believe that sincerity will lead to mutual benefit and keeping promises is the foundation of our characteristics and business ethics.

## People Oriented

We respect Human Values and regard employees as our most valuable assets. All of our efforts aim to finally serve people, and we carefully hear voices of each partner. We really enjoy seeing customers' ideas come to life, employees' dreams are turned into realities, and partners' wishes come true. And such kinds of successful stories spread throughout the country and the whole world.

## Keep Diligence

Just being diligence and pragmatism when working with our customers is a fundamental rule of our professionalism. We adopt a pragmatic approach to our business, admit the existence of imperfections and limitations of technologies, and constantly remind and motivate ourselves that we must pursue the best to satisfy requirements from customers and employees.







*Dedicated to Machine Vision*

## **Win-Win Cooperation**

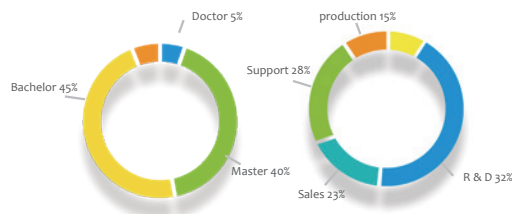
We treat every customer as one of our partners, refuse to play "zero-sum game" in the business, and believe that all participants in the game will become the winner. With a sincere heart, we always take a partner's responsibility to create values for our customers and then realize our own values in return.

## **Continuous Innovation**

From the date of establishment, we created so many "breakthroughs" which have already been recorded in the machine vision history of China. With a global vision and a natural sense of urgency, however, we clearly understand that "innovation capability" is the soul of a hi-tech company and the only way leading to cutting-edge technologies and products which deserve customers' trust and indeed improve productivity.

# Our Team

- Headquarters located in Beijing, based upon the strength of Chinese Academy of Sciences
- Having enterprise post-doctoral station dedicated to Machine Vision
- Having up to 700 employees by the end of 2017
- A large network for support and services has been established
- Featuring a R&D team with over 200 professionals, 40% of employees having master degree
- Proven innovation ability and patented technologies



# Our Promise

## 3-Year Warranty

DAHENG IMAGING offers a 3-year warranty for the camera. We make this unprecedented promise because we have unparalleled confidence in our products. We continually reinvest in research, development and superior manufacturing capabilities so that our customers can fully rely on the products we manufacture.





# Our Products

Dedicated to Machine Vision

## Top Selling Chinese Industrial Digital Cameras !

## MERCURY Series



The MERCURY family's CCD/ CMOS cameras target at industrial machine vision applications, the MERCURY family cameras are covered with full metal housings and equipped with cable locking devices. Thanks to compact size and light weight, the MERCURY family cameras can be easily deployed under various industrial circumstances or integrated into automatic devices like robot arms to accomplish machine vision tasks like locating, measuring, defect detecting, object recognizing, etc.

With the MERCURY series, you can choose the most popular data interfaces in the vision market: the popular Gigabit Ethernet interface with 100-meter cable length, the new USB 3.0 interface with plug and play capability, and the USB2.0 interface with plug and play capability. All DAHENG IMAGING's MERCURY cameras come with an option to provide camera power and data via a single cable. They also offer separate input/output ports for triggering or flash control. The MERCURY family comes with a long list of firmware features.

- Ultra small, light and robust
- 1 input and 1 output with opto-isolated, 2 programmable GPIOs
- Support Gigabit Ethernet, USB3.0, USB2.0
- A wide range of models available, support various CCD and CMOS sensors
- Meet CE, RoHS and FCC (except MER-U series) standards
- Support GigE Vision, USB3 Vision, GenICam and third-party software like HALCON, MERLIC and LabVIEW

# MER-G

| Model           | Interface | Resolution(H×V) | Frame Rate | Sensor   | Pixel Size      | Pixel Bit Depth | Mono/ Color |
|-----------------|-----------|-----------------|------------|--|-----------------|-----------------|-------------|
| MER-030-120GC   | GigE      | 656 × 492       | 120 fps    | 1/4" Sony ICX618 global shutter CCD            | 5.6μm × 5.6μm   | 8/12bits        | Color       |
| MER-031-300GM/C | GigE      | 640 × 480       | 300 fps    | 1/4" ON PYTHON 300 global shutter CMOS         | 4.8μm × 4.8μm   | 8/10bits        | Mono/Color  |
| MER-032-120GM/C | GigE      | 656 × 492       | 120 fps    | 1/3" Sharp RJ33B global shutter CCD            | 7.4μm × 7.4μm   | 8/12bits        | Mono/Color  |
| MER-041-302GM/C | GigE      | 720 × 540       | 302 fps    | 1/2.9" Sony IMX287 global shutter CMOS         | 6.9μm × 6.9μm   | 8/12bits        | Mono/Color  |
| MER-050-200GC   | GigE      | 800 × 600       | 200 fps    | 1/3.6" ON PYTHON 500 global shutter CMOS       | 4.8μm × 4.8μm   | 8/10bits        | Color       |
| MER-051-120GM/C | GigE      | 808 × 608       | 120 fps    | 1/3.6" ON PYTHON 480 global shutter CMOS       | 4.8μm × 4.8μm   | 8/10bits        | Mono/Color  |
| MER-125-30GC    | GigE      | 1292 × 964      | 30 fps     | 1/3" Sony ICX445 global shutter CCD            | 3.75μm × 3.75μm | 8/12bits        | Color       |
| MER-131-75GM/C  | GigE      | 1280 × 1024     | 75 fps     | 1/2" ON PYTHON 1300 global shutter CMOS        | 4.8μm × 4.8μm   | 8/10bits        | Mono/Color  |
| MER-132-30GM/C  | GigE      | 1292 × 964      | 30 fps     | 1/3" Sharp RJ33J global shutter CCD            | 3.75μm × 3.75μm | 8/12bits        | Mono/Color  |
| MER-132-43GM/C  | GigE      | 1292 × 964      | 43 fps     | 1/3" Sharp RJ33J global shutter CCD            | 3.75μm × 3.75μm | 8/12bits        | Mono/Color  |
| MER-133-54GM/C  | GigE      | 1280 × 960      | 54 fps     | 1/3" ON AR0135 global shutter CMOS             | 3.75μm × 3.75μm | 8/10bits        | Mono/Color  |
| MER-200-14GM    | GigE      | 1628 × 1236     | 14 fps     | 1/1.8" Sony ICX274 global shutter CCD          | 4.4μm × 4.4μm   | 8/12bits        | Mono        |
| MER-200-20GM    | GigE      | 1628 × 1236     | 20 fps     | 1/1.8" Sony ICX274 global shutter CCD          | 4.4μm × 4.4μm   | 8/12bits        | Mono        |
| MER-201-25GM/C  | GigE      | 1628 × 1236     | 25 fps     | 1/1.8" Sharp RJ31N global shutter CCD          | 4.4μm × 4.4μm   | 8/12bits        | Mono/Color  |
| MER-231-41GM/C  | GigE      | 1920 × 1200     | 41 fps     | 1/1.2" Sony IMX249 global shutter CMOS         | 5.86μm × 5.86μm | 8/10bits        | Mono/Color  |
| MER-500-14GM/C  | GigE      | 2592 × 1944     | 14 fps     | 1/2.5" ON MT9P031/MT9P006 rolling shutter CMOS | 2.2μm × 2.2μm   | 8/10bits        | Mono/Color  |
| MER-630-16GM/C  | GigE      | 3088 × 2064     | 16 fps     | 1/1.8" Sony IMX178 rolling shutter CMOS        | 2.4μm × 2.4μm   | 8/12bits        | Mono/Color  |
| MER-1070-10GM/C | GigE      | 3840 × 2748     | 10 fps     | 1/2.3" ON MT9J003 rolling shutter CMOS         | 1.67μm × 1.67μm | 8/12bits        | Mono/Color  |
| MER-1220-9GM/C  | GigE      | 4024 × 3036     | 9 fps      | 1/1.7" Sony IMX226 rolling shutter CMOS        | 1.85μm × 1.85μm | 8/12bits        | Mono/Color  |
| MER-1520-7GC    | GigE      | 4608 × 3288     | 7 fps      | 1/2.3" ON MT9F002 rolling shutter CMOS         | 1.4μm × 1.4μm   | 8/12bits        | Color       |
| MER-2000-5GM/C  | GigE      | 5496 × 3672     | 5 fps      | 1" Sony IMX183 rolling shutter CMOS            | 2.4μm × 2.4μm   | 8/12bits        | Mono/Color  |

| Mechanical Specifications    |                    |
|------------------------------|--------------------|
| Weight                       | 60g                |
| Dimensions                   | 29mm × 29mm × 29mm |
| Environmental Specifications |                    |
| Operating temp.              | 0°C ~ +45°C        |
| Operating humidity           | 10% ~ 80%          |
| Storage temp.                | -20°C ~ +70°C      |

| Electrical Specifications |  |
|---------------------------|--|
| Power requirement         | 12 VDC (8-PIN connector)   |
| I/Os                      | Opto-isolated 1 input/1 output, 2 GPIOs  |
| Data interface            | RJ45 with locked   |
| Power consumption         | <3W@12VDC<br>(MER-500-14GM/C<br>MER-630-16GM/C<br>MER-1220-9GM/C<br>MER-2000-5GM/C: <2W@12VDC) |
| Optical Specifications    |  |
| Lens mount                | C / CS – Mount   |

## MER-G-P

| Model               | Interface | Resolution(H×V) | Frame Rate | Sensor   | Pixel Size      | Pixel Bit Depth | Mono/ Color |
|---------------------|-----------|-----------------|------------|--|-----------------|-----------------|-------------|
| MER-030-120GC-P     | GigE PoE  | 656 × 492       | 120 fps    | 1/4" Sony ICX618 global shutter CCD            | 5.6μm × 5.6μm   | 8/12bits        | Color       |
| MER-031-300GM/C-P   | GigE PoE  | 640 × 480       | 300 fps    | 1/4" ON PYTHON 300 global shutter CMOS         | 4.8μm × 4.8μm   | 8/10bits        | Mono/Color  |
| MER-031-300GM-P NIR | GigE PoE  | 640 × 480       | 300 fps    | 1/4" ON PYTHON 300 global shutter CMOS         | 4.8μm × 4.8μm   | 8/10bits        | Mono, NIR   |
| MER-032-120GM/C-P   | GigE PoE  | 656 × 492       | 120 fps    | 1/3" Sharp RJ33B global shutter CCD            | 7.4μm × 7.4μm   | 8/12bits        | Mono/Color  |
| MER-041-302GM/C-P   | GigE PoE  | 720 × 540       | 302 fps    | 1/2.9" Sony IMX287 global shutter CMOS         | 6.9μm × 6.9μm   | 8/12bits        | Mono/Color  |
| MER-050-200GC-P     | GigE PoE  | 800 × 600       | 200 fps    | 1/3.6" ON PYTHON 500 global shutter CMOS       | 4.8μm × 4.8μm   | 8/10bits        | Color       |
| MER-051-120GM/C-P   | GigE PoE  | 808 × 608       | 120 fps    | 1/3.6" ON PYTHON 480 global shutter CMOS       | 4.8μm × 4.8μm   | 8/10bits        | Mono/Color  |
| MER-125-30GC-P      | GigE PoE  | 1292 × 964      | 30 fps     | 1/3" Sony ICX445 global shutter CCD            | 3.75μm × 3.75μm | 8/12bits        | Color       |
| MER-131-75GM/C-P    | GigE PoE  | 1280 × 1024     | 75 fps     | 1/2" ON PYTHON 1300 global shutter CMOS        | 4.8μm × 4.8μm   | 8/10bits        | Mono/Color  |
| MER-131-75GM-P NIR  | GigE PoE  | 1280 × 1024     | 75 fps     | 1/2" ON PYTHON 1300 global shutter CMOS        | 4.8μm × 4.8μm   | 8/10bits        | Mono, NIR   |
| MER-132-43GM/C-P    | GigE PoE  | 1292 × 964      | 43 fps     | 1/3" Sharp RJ33J global shutter CCD            | 3.75μm × 3.75μm | 8/12bits        | Mono/Color  |
| MER-133-54GM/C-P    | GigE PoE  | 1280 × 960      | 54 fps     | 1/3" ON AR0135 global shutter CMOS             | 3.75μm × 3.75μm | 8/10bits        | Mono/Color  |
| MER-200-20GM-P      | GigE PoE  | 1628 × 1236     | 20 fps     | 1/1.8" Sony ICX274 global shutter CCD          | 4.4μm × 4.4μm   | 8/12bits        | Mono        |
| MER-201-25GM/C-P    | GigE PoE  | 1628 × 1236     | 25 fps     | 1/1.8" Sharp RJ31N global shutter CCD          | 4.4μm × 4.4μm   | 8/12bits        | Mono/Color  |
| MER-231-41GM/C-P    | GigE PoE  | 1920 × 1200     | 41 fps     | 1/1.2" Sony IMX249 global shutter CMOS         | 5.86μm × 5.86μm | 8/10bits        | Mono/Color  |
| MER-232-48GM-P NIR  | GigE PoE  | 1920 × 1200     | 48 fps     | 2/3" ON PYTHON 2000 global shutter CMOS        | 4.8μm × 4.8μm   | 8/10bits        | Mono, NIR   |
| MER-500-14GM/C-P    | GigE PoE  | 2592 × 1944     | 14 fps     | 1/2.5" ON MT9P031/MT9P006 rolling shutter CMOS | 2.2μm × 2.2μm   | 8/10bits        | Mono/Color  |
| MER-503-20GM/C-P    | GigE PoE  | 2448 × 2048     | 20 fps     | 2/3" Sony IMX264 global shutter CMOS           | 3.45μm × 3.45μm | 8/10bits        | Mono/Color  |
| MER-504-10GM/C-P    | GigE PoE  | 2448 × 2048     | 10 fps     | 2/3" Sharp RJ32S global shutter CCD            | 3.45μm × 3.45μm | 8/12bits        | Mono/Color  |
| MER-530-20GM-P NIR  | GigE PoE  | 2592 × 2048     | 20 fps     | 1" ON PYTHON 5000 global shutter CMOS          | 4.8μm × 4.8μm   | 8/10bits        | Mono, NIR   |
| MER-531-20GM/C-P    | GigE PoE  | 2592 × 2048     | 20 fps     | 1" ON PYTHON 5000 global shutter CMOS          | 4.8μm × 4.8μm   | 8/10bits        | Mono/Color  |
| MER-630-16GM/C-P    | GigE PoE  | 3088 × 2064     | 16 fps     | 1/1.8" Sony IMX178 rolling shutter CMOS        | 2.4μm × 2.4μm   | 8/12bits        | Mono/Color  |
| MER-1070-10GM/C-P   | GigE PoE  | 3840 × 2748     | 10 fps     | 1/2.3" ON MT9J003 rolling shutter CMOS         | 1.67μm × 1.67μm | 8/12bits        | Mono/Color  |
| MER-1220-9GM/C-P    | GigE PoE  | 4024 × 3036     | 9 fps      | 1/1.7" Sony IMX226 rolling shutter CMOS        | 1.85μm × 1.85μm | 8/12bits        | Mono/Color  |
| MER-1520-7GC-P      | GigE PoE  | 4608 × 3288     | 7 fps      | 1/2.3" ON MT9F002 rolling shutter CMOS         | 1.4μm × 1.4μm   | 8/12bits        | Color       |
| MER-2000-5GM/C-P    | GigE PoE  | 5496 × 3672     | 5 fps      | 1" Sony IMX183 rolling shutter CMOS            | 2.4μm × 2.4μm   | 8/12bits        | Mono/Color  |

| Mechanical Specifications |                      |
|---------------------------|----------------------|
| Weight                    | 75g                  |
| Dimensions                | 29mm × 29mm × 38.3mm |

| Environmental Specifications |               |
|------------------------------|---------------|
| Operating temp.              | 0°C ~ +45°C   |
| Operating humidity           | 10% ~ 80%     |
| Storage temp.                | -20°C ~ +70°C |

| Electrical Specifications |   |
|---------------------------|---|
| Power requirement         | 12 VDC (8-PIN connector) or PoE                                       |
| I/Os                      | Opto-isolated 1 input/1 output, 2 GPIOs                               |
| Data interface            | RJ45 with locked  |
| Power consumption         | <3W @ 12VDC , <3.75W @ PoE<br>(MER-500-14GM/C-P:<2W@12VDC, <2.5W@PoE) |

| Optical Specifications |                |
|------------------------|----------------|
| Lens mount             | C / CS – Mount |

## MER-U3

| Model              | Interface | Resolution(H×V) | Frame Rate | Sensor   | Pixel Size      | Pixel Bit Depth | Mono/ Color  |
|--------------------|-----------|-----------------|------------|--|-----------------|-----------------|--------------|
| MER-031-860U3M/C   | USB3.0    | 640 × 480       | 860 fps    | 1/4" ON PYTHON 300 global shutter CMOS         | 4.8μm × 4.8μm   | 8/10bits        | Mono/Color   |
| MER-031-860U3M NIR | USB3.0    | 640 × 480       | 860 fps    | 1/4" ON PYTHON 300 global shutter CMOS         | 4.8μm × 4.8μm   | 8/10bits        | Mono, NIR    |
| MER-041-436U3M/C   | USB3.0    | 720 × 540       | 438 fps    | 1/2.9" Sony IMX287 global shutter CMOS         | 6.9μm × 6.9μm   | 8/10bits        | Mono/Color   |
| MER-050-560U3C     | USB3.0    | 800 × 600       | 560 fps    | 1/3.6" ON PYTHON 500 global shutter CMOS       | 4.8μm × 4.8μm   | 8/10bits        | Color        |
| MER-051-120U3M/C   | USB3.0    | 808 × 608       | 120 fps    | 1/3.6" ON PYTHON 480 global shutter CMOS       | 4.8μm × 4.8μm   | 8/10bits        | Mono/Color   |
| MER-131-210U3M/C   | USB3.0    | 1280 × 1024     | 210 fps    | 1/2" ON PYTHON 1300 global shutter CMOS        | 4.8μm × 4.8μm   | 8/10bits        | Mono/Color   |
| MER-131-210U3M NIR | USB3.0    | 1280 × 1024     | 210 fps    | 1/2" ON PYTHON 1300 global shutter CMOS        | 4.8μm × 4.8μm   | 8/10bits        | Mono, NIR    |
| MER-132-43U3M/C    | USB3.0    | 1292 × 964      | 43 fps     | 1/3" Sharp RJ33J global shutter CCD            | 3.75μm × 3.75μm | 8/12bits        | Mono/Color   |
| MER-133-54U3M/C    | USB3.0    | 1280 × 960      | 54 fps     | 1/3" ON AR0135 global shutter CMOS             | 3.75μm × 3.75μm | 8/10bits        | Mono/Color   |
| MER-134-93U3M/C    | USB3.0    | 1280 × 1024     | 93 fps     | 1/2" ON PYTHON 1300 global shutter CMOS        | 4.8μm × 4.8μm   | 8/10bits        | Mono/Color   |
| MER-160-227U3M/C   | USB3.0    | 1440 × 1080     | 227 fps    | 1/2.9" Sony IMX273 global shutter CMOS         | 3.45μm × 3.45μm | 8/10bits        | Mono/Color   |
| MER-230-168U3M/C   | USB3.0    | 1920 × 1200     | 168 fps    | 1/1.2" Sony IMX174 global shutter CMOS         | 5.86μm × 5.86μm | 8/10bits        | Mono/Color   |
| MER-231-41U3M/C    | USB3.0    | 1920 × 1200     | 41 fps     | 1/1.2" Sony IMX249 global shutter CMOS         | 5.86μm × 5.86μm | 8/10bits        | Mono/Color   |
| MER-301-125U3M/C   | USB3.0    | 2048 × 1536     | 125 fps    | 1/1.8" Sony IMX252 global shutter CMOS         | 3.45μm × 3.45μm | 8/10bits        | Mono/Color   |
| MER-302-56U3M/C    | USB3.0    | 2048 × 1536     | 56 fps     | 1/1.8" Sony IMX265 global shutter CMOS         | 3.45μm × 3.45μm | 8/10bits        | Mono/Color   |
| MER-500-14U3M/C    | USB3.0    | 2592 × 1944     | 14 fps     | 1/2.5" ON MT9P031/MT9P006 rolling shutter CMOS | 2.2μm × 2.2μm   | 8/10bits        | Mono/Color   |
| MER-502-79U3M/C    | USB3.0    | 2448 × 2048     | 79 fps     | 2/3" Sony IMX250 global shutter CMOS           | 3.45μm × 3.45μm | 8/10bits        | Mono/Color   |
| MER-502-79U3M POL  | USB3.0    | 2448 × 2048     | 79 fps     | 2/3" Sony IMX250MZR global shutter CMOS        | 3.45μm × 3.45μm | 8/10bits        | Polarization |
| MER-503-36U3M/C    | USB3.0    | 2448 × 2048     | 36 fps     | 2/3" Sony IMX264 global shutter CMOS           | 3.45μm × 3.45μm | 8/10bits        | Mono/Color   |
| MER-630-60U3M/C    | USB3.0    | 3088 × 2064     | 60 fps     | 1/1.8" Sony IMX178 rolling shutter CMOS        | 2.4μm × 2.4μm   | 8/10bits        | Mono/Color   |

| Model            | Interface | Resolution(H×V) | Frame Rate | Sensor                                  | Pixel Size      | Pixel Bit Depth | Mono/ Color |
|------------------|-----------|-----------------|------------|---|-----------------|-----------------|-------------|
| MER-1070-14U3M/C | USB3.0    | 3840 × 2748     | 14 fps     | 1/2.3" ON MT9J003 rolling shutter CMOS  | 1.67μm × 1.67μm | 8/12bits        | Mono/Color  |
| MER-1220-32U3M/C | USB3.0    | 4024 × 3036     | 32.3 fps   | 1/1.7" Sony IMX226 rolling shutter CMOS | 1.85μm × 1.85μm | 8/12bits        | Mono/Color  |
| MER-1520-13U3C   | USB3.0    | 4608 × 3288     | 13 fps     | 1/2.3" ON MT9F002 rolling shutter CMOS  | 1.4μm × 1.4μm   | 8/12bits        | Color       |
| MER-1810-21U3C   | USB3.0    | 4912 × 3684     | 21 fps     | 1/2.3" ON AR1820 rolling shutter CMOS   | 1.25μm × 1.25μm | 8/12bits        | Color       |
| MER-2000-19U3M/C | USB3.0    | 5496 × 3672     | 19.6 fps   | 1" Sony IMX183 rolling shutter CMOS     | 2.4μm × 2.4μm   | 8/12bits        | Mono/Color  |

| Mechanical Specifications    |                    |
|------------------------------|--------------------|
| Weight                       | 57g                |
| Dimensions                   | 29mm × 29mm × 29mm |
| Environmental Specifications |                    |
| Operating temp.              | 0°C ~ +45°C        |
| Operating humidity           | 10% ~ 80%          |
| Storage temp.                | -20°C ~ +70°C      |

| Electrical Specifications |   |
|---------------------------|---|
| Power requirement         | 5 VDC (USB3.0)                          |
| I/Os                      | Opto-isolated 1 input/1 output, 2 GPIOs |
| Data interface            | USB3.0 with locked                      |
| Power consumption         | ≤2.7W@5VDC                              |

| Optical Specifications |                |
|------------------------|----------------|
| Lens mount             | C / CS – Mount |

| MER-U3-L             |           |                 |            |  |                 |                 |             |
|----------------------|-----------|-----------------|------------|--|-----------------|-----------------|-------------|
| Model                | Interface | Resolution(H×V) | Frame Rate | Sensor                                   | Pixel Size      | Pixel Bit Depth | Mono/ Color |
| MER-031-860U3M/C-L   | USB3.0    | 640 × 480       | 860 fps    | 1/4" ON PYTHON 300 global shutter CMOS   | 4.8μm × 4.8μm   | 8/10bits        | Mono/Color  |
| MER-031-860U3M-L NIR | USB3.0    | 640 × 480       | 860 fps    | 1/4" ON PYTHON 300 global shutter CMOS   | 4.8μm × 4.8μm   | 8/10bits        | Mono, NIR   |
| MER-041-436U3M/C-L   | USB3.0    | 720 × 540       | 438 fps    | 1/2.9" Sony IMX287 global shutter CMOS   | 6.9μm × 6.9μm   | 8/10bits        | Mono/Color  |
| MER-050-560U3C-L     | USB3.0    | 800 × 600       | 560 fps    | 1/3.6" ON PYTHON 500 global shutter CMOS | 4.8μm × 4.8μm   | 8/10bits        | Color       |
| MER-051-120U3M/C-L   | USB3.0    | 808 × 608       | 120 fps    | 1/3.6" ON PYTHON 480 global shutter CMOS | 4.8μm × 4.8μm   | 8/10bits        | Mono/Color  |
| MER-131-210U3M/C-L   | USB3.0    | 1280 × 1024     | 210 fps    | 1/2" ON PYTHON 1300 global shutter CMOS  | 4.8μm × 4.8μm   | 8/10bits        | Mono/Color  |
| MER-131-210U3M-L NIR | USB3.0    | 1280 × 1024     | 210 fps    | 1/2" ON PYTHON 1300 global shutter CMOS  | 4.8μm × 4.8μm   | 8/10bits        | Mono, NIR   |
| MER-132-43U3M/C-L    | USB3.0    | 1292 × 964      | 43 fps     | 1/3" Sharp RJ33J global shutter CCD      | 3.75μm × 3.75μm | 8/12bits        | Mono/Color  |
| MER-133-54U3M/C-L    | USB3.0    | 1280 × 960      | 54 fps     | 1/3" ON AR0135 global shutter CMOS       | 3.75μm × 3.75μm | 8/10bits        | Mono/Color  |
| MER-134-93U3M/C-L    | USB3.0    | 1280 × 1024     | 93 fps     | 1/2" ON PYTHON 1300 global shutter CMOS  | 4.8μm × 4.8μm   | 8/10bits        | Mono/Color  |
| MER-160-227U3M/C-L   | USB3.0    | 1440 × 1080     | 227 fps    | 1/2.9" Sony IMX273 global shutter CMOS   | 3.45μm × 3.45μm | 8/10bits        | Mono/Color  |
| MER-230-168U3M/C-L   | USB3.0    | 1920 × 1200     | 168 fps    | 1/1.2" Sony IMX174 global shutter CMOS   | 5.86μm × 5.86μm | 8/10bits        | Mono/Color  |

| Model              | Interface | Resolution(H×V) | Frame Rate | Sensor   | Pixel Size      | Pixel Bit Depth | Mono/ Color |
|--------------------|-----------|-----------------|------------|--|-----------------|-----------------|-------------|
| MER-231-41U3M/C-L  | USB3.0    | 1920 × 1200     | 41 fps     | 1/1.2" Sony IMX249 global shutter CMOS         | 5.86μm × 5.86μm | 8/10bits        | Mono/Color  |
| MER-301-125U3M/C-L | USB3.0    | 2048 × 1536     | 125 fps    | 1/1.8" Sony IMX252 global shutter CMOS         | 3.45μm × 3.45μm | 8/10bits        | Mono/Color  |
| MER-302-56U3M/C-L  | USB3.0    | 2048 × 1536     | 56 fps     | 1/1.8" Sony IMX265 global shutter CMOS         | 3.45μm × 3.45μm | 8/10bits        | Mono/Color  |
| MER-500-14U3M/C-L  | USB3.0    | 2592 × 1944     | 14 fps     | 1/2.5" ON MT9P031/MT9P006 rolling shutter CMOS | 2.2μm × 2.2μm   | 8/10bits        | Mono/Color  |
| MER-502-79U3M/C-L  | USB3.0    | 2448 × 2048     | 79 fps     | 2/3" Sony IMX250 global shutter CMOS           | 3.45μm × 3.45μm | 8/10bits        | Mono/Color  |
| MER-503-36U3M/C-L  | USB3.0    | 2448 × 2048     | 36 fps     | 2/3" Sony IMX264 global shutter CMOS           | 3.45μm × 3.45μm | 8/10bits        | Mono/Color  |
| MER-630-60U3M/C-L  | USB3.0    | 3088 × 2064     | 60 fps     | 1/1.8" Sony IMX178 rolling shutter CMOS        | 2.4μm × 2.4μm   | 8/10bits        | Mono/Color  |
| MER-1070-14U3M/C-L | USB3.0    | 3840 × 2748     | 14 fps     | 1/2.3" ON MT9J003 rolling shutter CMOS         | 1.67μm × 1.67μm | 8/12bits        | Mono/Color  |
| MER-1220-32U3M/C-L | USB3.0    | 4024 × 3036     | 32.3 fps   | 1/1.7" Sony IMX226 rolling shutter CMOS        | 1.85μm × 1.85μm | 8/12bits        | Mono/Color  |
| MER-1520-13U3C-L   | USB3.0    | 4608 × 3288     | 13 fps     | 1/2.3" ON MT9F002 rolling shutter CMOS         | 1.4μm × 1.4μm   | 8/12bits        | Color       |
| MER-1810-21U3C-L   | USB3.0    | 4912 × 3684     | 21 fps     | 1/2.3" ON AR1820 rolling shutter CMOS          | 1.25μm × 1.25μm | 8/12bits        | Color       |
| MER-2000-19U3M/C-L | USB3.0    | 5496 × 3672     | 19.6 fps   | 1" Sony IMX183 rolling shutter CMOS            | 2.4μm × 2.4μm   | 8/12bits        | Mono/Color  |

| Mechanical Specifications    |                    |
|------------------------------|--------------------|
| Weight                       | 53g                |
| Dimensions                   | 29mm × 29mm × 29mm |
| Environmental Specifications |                    |
| Operating temp.              | 0°C ~ +45°C        |
| Operating humidity           | 10% ~ 80%          |
| Storage temp.                | -20°C ~ +70°C      |

| Electrical Specifications |                    |
|---------------------------|--------------------|
| Power requirement         | 5 VDC (USB3.0)     |
| I/Os                      | NULL               |
| Data interface            | USB3.0 with locked |
| Power consumption         | ≤2.7W@5VDC         |
| Optical Specifications    |                    |
| Lens mount                | C / CS – Mount     |

| MER-U          |              |                 |            |  |                 |                 |             |
|----------------|--------------|-----------------|------------|--|-----------------|-----------------|-------------|
| Model          | Interface    | Resolution(H×V) | Frame Rate | Sensor                                 | Pixel Size      | Pixel Bit Depth | Mono/ Color |
| MER-030-120UC  | Mini USB 2.0 | 656 × 492       | 120 fps    | 1/4" Sony ICX618 global shutter CCD    | 5.6μm × 5.6μm   | 8/12bits        | Color       |
| MER-040-60UM/C | Mini USB 2.0 | 752 × 480       | 60 fps     | 1/3" ON MT9V032 global shutter CMOS    | 6.0μm × 6.0μm   | 8/10bits        | Mono/Color  |
| MER-125-30UC   | Mini USB 2.0 | 1292 × 964      | 30 fps     | 1/3" Sony ICX445 global shutter CCD    | 3.75μm × 3.75μm | 8/12bits        | Color       |
| MER-130-30UM   | Mini USB 2.0 | 1280 × 1024     | 30 fps     | 1/1.8" ON MT9M001 rolling shutter CMOS | 5.2μm × 5.2μm   | 8/10bits        | Mono        |



| Model          | Interface    | Resolution(H×V) | Frame Rate | Sensor   | Pixel Size      | Pixel Bit Depth | Mono/ Color |
|----------------|--------------|-----------------|------------|--|-----------------|-----------------|-------------|
| MER-132-30UM/C | Mini USB 2.0 | 1292 × 964      | 30 fps     | 1/3" Sharp RJ33J global shutter CCD            | 3.75μm × 3.75μm | 8/12bits        | Mono/Color  |
| MER-310-12UC   | Mini USB 2.0 | 2048 × 1536     | 12 fps     | 1/2" ON MT9T001 rolling shutter CMOS           | 3.2μm × 3.2μm   | 8/10bits        | Color       |
| MER-500-7UM/C  | Mini USB 2.0 | 2592 × 1944     | 7 fps      | 1/2.5" ON MT9P031/MT9P006 rolling shutter CMOS | 2.2μm × 2.2μm   | 8/12bits        | Mono/Color  |

| Mechanical Specifications    |                    |
|------------------------------|--------------------|
| Weight                       | 42g                |
| Dimensions                   | 29mm × 29mm × 29mm |
| Environmental Specifications |                    |
| Operating temp.              | 0°C ~ +60°C        |
| Operating humidity           | 10% ~ 80%          |

| Electrical Specifications |  |
|---------------------------|--|
| Power requirement         | 5 VDC (USB2.0)   |
| I/Os                      | Opto-isolated 1 input/1 output   |
| Data interface            | Mini USB type B  |
| Power consumption         | <1W@5V DC<br>(MER-030-120UC, MER-125-30UC,<br>MER-132-30UM/C: <1.2W@5V DC) |
| Optical Specifications    |  |
| Lens mount                | C / CS – Mount   |

MER-U-L

| Model            | Interface    | Resolution(H×V) | Frame Rate | Sensor   | Pixel Size      | Pixel Bit Depth | Mono/ Color |
|------------------|--------------|-----------------|------------|--|-----------------|-----------------|-------------|
| MER-030-120UC-L  | Mini USB 2.0 | 656 × 492       | 120 fps    | 1/4" Sony ICX618 global shutter CCD            | 5.6μm × 5.6μm   | 8/12bits        | Color       |
| MER-040-60UM/C-L | Mini USB 2.0 | 752 × 480       | 60 fps     | 1/3" ON MT9V032 global shutter CMOS            | 6.0μm × 6.0μm   | 8/10bits        | Mono/Color  |
| MER-125-30UC-L   | Mini USB 2.0 | 1292 × 964      | 30 fps     | 1/3" Sony ICX445 global shutter CCD            | 3.75μm × 3.75μm | 8/12bits        | Color       |
| MER-130-30UM-L   | Mini USB 2.0 | 1280 × 1024     | 30 fps     | 1/1.8" ON MT9M001 rolling shutter CMOS         | 5.2μm × 5.2μm   | 8/10bits        | Mono        |
| MER-132-30UM/C-L | Mini USB 2.0 | 1292 × 964      | 30 fps     | 1/3" Sharp RJ33J global shutter CCD            | 3.75μm × 3.75μm | 8/12bits        | Mono/Color  |
| MER-310-12UC-L   | Mini USB 2.0 | 2048 × 1536     | 12 fps     | 1/2" ON MT9T001 rolling shutter CMOS           | 3.2μm × 3.2μm   | 8/10bits        | Color       |
| MER-500-7UM/C-L  | Mini USB 2.0 | 2592 × 1944     | 7 fps      | 1/2.5" ON MT9P031/MT9P006 rolling shutter CMOS | 2.2μm × 2.2μm   | 8/12bits        | Mono/Color  |

| Mechanical Specifications    |                    |
|------------------------------|--------------------|
| Weight                       | 40g                |
| Dimensions                   | 29mm × 29mm × 29mm |
| Environmental Specifications |                    |
| Operating temp.              | 0°C ~ +60°C        |
| Operating humidity           | 10% ~ 80%          |

| Electrical Specifications |  |
|---------------------------|--|
| Power requirement         | 5 VDC (USB2.0)   |
| I/Os                      | NULL   |
| Data interface            | Mini USB type B  |
| Power consumption         | <1W@5V DC<br>(MER-030-120UC-L, MER-125-30UC-L,<br>MER-132-30UM/C-L: <1.2W@5V DC) |
| Optical Specifications    |  |
| Lens mount                | C / CS – Mount   |

## MARS Series



The MARS series camera is DAHENG IMAGING's latest high resolution camera with large and high quality sensor, such as Sony and Onsemi. Thanks to the compact size, robust housing and locking screw connectors, the MARS series can secure the reliability of cameras deployed in harsh industrial environments.

The MARS series camera is featured in high resolution, high definition and low noise. The Gigabit Ethernet interface is used for long distance transmission. The MARS series is especially designed for industrial inspection, rail traffic, scientific research and 3D reconstruction and so on.

- Support Binning, Decimation, Gamma, Sharpness, Digital Shift, Reverse X/Y and Black Level (except MARS-880-13GM/C-P and MARS-1230-9GM/C-P)
- Flat Field Correction (only for MARS-3140-3GM/C-P)
- Defect Pixel Correction (only for MARS-U3 series )
- Programmable LUTs and storable user sets
- Programmable ROI, increased frame rate with partial scan
- Adjustable packet-size and packet-delay, and reserved bandwidth (except MARS-U3 series)
- 16KB user data area for saving algorithm coefficients, parameter configuration, etc. (except MARS-880-13GM/C-P and MARS-1230-9GM/C-P)
- Reliable data transmission and compatible with various network cards (only for MARS-G-P series)
- Regulations: CE, RoHS, GenlCam, GigE Vision, USB3 Vision, IEEE802.3af (PoE)
- Support a variety of 3rd-party software such as HALCON, MERLIC and LabVIEW
- Optimized software package for 32/64bit Windows, support Linux, Android (only for MARS-U3 series), ARMv7, ARMv8, etc.

MARS-G-P

| Model             | Interface | Resolution(H×V) | Frame Rate | Sensor   | Pixel Size      | Pixel Bit Depth | Mono/ Color |
|-------------------|-----------|-----------------|------------|--|-----------------|-----------------|-------------|
| MARS-880-13GM/C-P | GigE PoE  | 4096 × 2160     | 13 fps     | 1" Sony IMX267 global shutter CMOS             | 3.45μm × 3.45μm | 8/12bits        | Mono/Color  |
| MARS-1230-9GM/C-P | GigE PoE  | 4096 × 3000     | 9 fps      | 1.1" Sony IMX304 global shutter CMOS           | 3.45μm × 3.45μm | 8/12bits        | Mono/Color  |
| MARS-3140-3GM/C-P | GigE PoE  | 6464 × 4852     | 3.4fps     | APS-C (27.9mm) Sony IMX342 global shutter CMOS | 3.45μm × 3.45μm | 8/12bits        | Mono/Color  |

| Mechanical Specifications |  |
|---------------------------|--|
| Weight                    | 274g ( MARS-3140-3GM/C-P: 292g)                                      |
| Dimensions                | 62mm × 62mm × 50.4mm<br>(MARS-3140-3GM/C-P:<br>62mm × 62mm × 52.1mm) |

| Environmental Specifications |               |
|------------------------------|---------------|
| Operating temp.              | 0°C ~ +45°C   |
| Operating humidity           | 10% ~ 80%     |
| Storage temp.                | -20°C ~ +70°C |

| Electrical Specifications |   |
|---------------------------|---|
| Power requirement         | +12V DC (±10%) ~ +24V DC (±10%) or PoE        |
| I/Os                      | Opto-isolated 1 input/1 output, 2 GPIOs       |
| Data interface            | RJ45 with locked<br><3W@12VDC ,<3.5W@ PoE     |
| Power consumption         | (MARS-3140-3GM/C-P: <5.5W@12VDC,<br><6W@ PoE) |

| Optical Specifications |  |
|------------------------|--|
| Lens mount             | C – Mount<br>(MARS-3140-3GM/C-P-M02: F-Mount,<br>MARS-3140-3GM/C-P-M03: M42-Mount, back-<br>flange distance is 12mm) |

MARS-U3

| Model             | Interface | Resolution(H×V) | Frame Rate | Sensor                               | Pixel Size      | Pixel Bit Depth | Mono/ Color |
|-------------------|-----------|-----------------|------------|--------------------------------------|-----------------|-----------------|-------------|
| MARS-1230-23U3M/C | USB3.0    | 4096 × 3000     | 23.4 fps   | 1.1" Sony IMX304 global shutter CMOS | 3.45μm × 3.45μm | 8/12bits        | Mono/Color  |
| MARS-1231-32U3M/C | USB3.0    | 4096 × 3000     | 32.1 fps   | 1.1" Sony IMX253 global shutter CMOS | 3.45μm × 3.45μm | 8/10bits        | Mono/Color  |

| Mechanical Specifications |                      |
|---------------------------|----------------------|
| Weight                    | 281g                 |
| Dimensions                | 62mm × 62mm × 50.4mm |

| Environmental Specifications |               |
|------------------------------|---------------|
| Operating temp.              | 0°C ~ +45°C   |
| Operating humidity           | 10%~80%       |
| Storage temp.                | -20°C ~ +70°C |

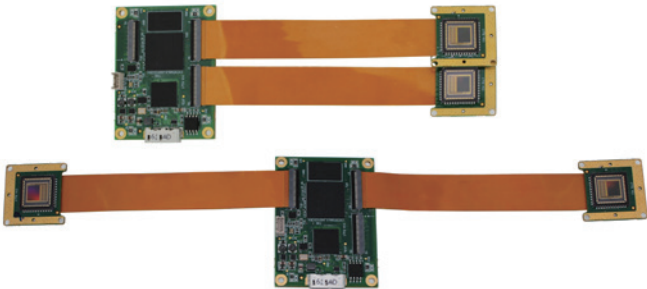
| Electrical Specifications |   |
|---------------------------|---|
| Power requirement         | 5V DC (USB3.0)                          |
| I/Os                      | Opto-isolated 1 input/1 output, 2 GPIOs |
| Data interface            | USB3.0 with locked                      |
| Power consumption         | < 4W @5VDC                              |

| Optical Specifications |                |
|------------------------|----------------|
| Lens mount             | C / CS – Mount |

# VENUS Series

The VENUS series (VEN-U3) camera is DAHENG IMAGING's latest board level camera. The VEN-134-90U3M/C-D is a monochrome/ color USB3 Vision board level camera with two Onsemi PYTHON 1300 CMOS sensors. The VEN-134-90U3M-D NIR is a NIR enhanced USB3 Vision camera and the sensor has optimized response in the near-infrared band. There are three connection ports in the main board and each sensor board can be freely connected to one of the three ports by FPC cables, more flexible for installment and suitable for more applications. Furthermore, the VENUS series camera is powered over the USB3.0 interface. The camera has an outstanding price/performance ratio.

The VENUS series board level camera is especially designed for binocular vision applications such as handheld 3D scanner, desktop 3D scanner and so on.



- Software reset function
- Hot plugging available
- FPC cables extension can be put in both sides or the same side
- Support Windows, Linux, Android, ARMv7, ARMv8, etc.
- The length of FPC cable can be extended up to 460mm
- Regulations: CE, RoHS, GenICam, USB3 Vision

| VEN-U3              |           |                 |            |   |               |                 |             |  |
|---------------------|-----------|-----------------|------------|---|---------------|-----------------|-------------|--|
| Model               | Interface | Resolution(H×V) | Frame Rate | Sensor                                  | Pixel Size    | Pixel Bit Depth | Mono/ Color |  |
| VEN-134-90U3M/C-D   | USB3.0    | 1280 × 1024 × 2 | 90 fps     | 1/2" ON PYTHON 1300 global shutter CMOS | 4.8μm × 4.8μm | 8bits           | Mono/Color  |  |
| VEN-134-90U3M-D NIR | USB3.0    | 1280 × 1024 × 2 | 90 fps     | 1/2" ON PYTHON1300 global shutter CMOS  | 4.8μm × 4.8μm | 8bits           | Mono, NIR   |  |

| Mechanical Specifications |  |
|---------------------------|--|
| FPC cable extension       | Up to 460mm  |
| Dimensions                | Main board: 54.0mm × 40.0mm × 6.4mm<br>Sensor board: 25.4mm × 25.4mm × 6.1mm |

| Environmental Specifications |               |
|------------------------------|---------------|
| Operating temp.              | 0°C ~ +45°C   |
| Operating humidity           | 10% ~ 80%     |
| Storage temp.                | -20°C ~ +70°C |

| Electrical Specifications |                          |
|---------------------------|--------------------------|
| Power requirement         | 5 VDC (USB3.0)           |
| I/Os                      | 1 input,1 input / output |
| Data interface            | USB3.0 with locked       |
| Power consumption         | <3.5W@5VDC               |

| Optical Specifications |  |
|------------------------|--|
| Lens mount             | No – Mount<br>M12/C – Mount (optional) |

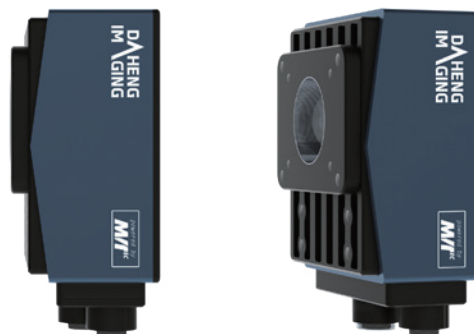
# PALLAS Series Smart Camera

The PALLAS series camera is the first industrial smart camera from DAHENG IMAGING, its processor is based on Xilinx Zynq UltraScale+ MPSoC platform with 4-core A53@1.2GHz, 2G DDR4 and 8G Flash. As an outstanding smart camera, the PALLAS series camera has many attractive features such as extremely high processing speed, compact structure, small size, low weight, low power consumption, etc. Moreover, the rugged metal housing and Hirose connectors make the camera well suitable for harsh industrial environments. In addition, the camera has three opto-isolated I/Os, 100M/1000M Adaptive Ethernet interface and RS232 serial port, which can meet the requirements of most industrial applications.

- Metal housing, Hirose connector, compact and robust
- Innovative ARM+FPGA architecture with 64-bit 4-core processor
- Graphical user interface, interactive operation
- Multiple communication interfaces
- Low power consumption (< 6W), high price/performance ratio
- Compatible with GEN<i>CAM™

## Features

- Programmable ROI, increased frame rate with partial scan
- Support auto gain, auto exposure and auto white balance
- Gain, exposure and white balance programmable
- Three acquisition controls: Continuous acquisition/ Software trigger acquisition/ External trigger acquisition
- Support UART, I/O, Ethernet data transmission methods, provide light source control interface, no expansion board required
- Flash sync for firing external lights at precisely the moment when exposure is performed
- Long cable lengths: up to 100m (without any hubs, repeaters, etc.)
- 2GB RAM and 8GB flash
- 5 LEDs for checking network connection, power supply and working status
- Integrated MERLIC graphical vision software, drag-and-drop tools, no user programming required



### PALLAS Smart Camera (MERLIC Version)

| Model             | Interface                    | Resolution(H×V) | Frame Rate | Sensor                                  | Pixel Size      | Pixel Bit Depth | Mono/ Color | Version |
|-------------------|------------------------------|-----------------|------------|---|-----------------|-----------------|-------------|---------|
| PALLAS 6513M/C-Mo | 100M/1000M Adaptive Ethernet | 1280 × 960      | 54 fps     | 1/3" ON AR0135 global shutter CMOS      | 3.75μm × 3.75μm | 8bits           | Mono/Color  | MERLIC  |
| PALLAS 6563M/C-Mo | 100M/1000M Adaptive Ethernet | 3096 × 2080     | 29 fps     | 1/1.8" Sony IMX178 rolling shutter CMOS | 2.4μm × 2.4μm   | 8bits           | Mono/Color  | MERLIC  |

#### Mechanical Specifications

|            |                         |
|------------|-------------------------|
| Weight     | 200g                    |
| Dimensions | 90.7 mm x39.5mm x60.5mm |

#### Environmental Specifications

|                    |               |
|--------------------|---------------|
| Operating temp.    | 0°C ~ +45°C   |
| Operating humidity | 10%~80%       |
| Storage temp.      | -20°C ~ +70°C |

#### Electrical Specifications

|                   |   |
|-------------------|---|
| Power requirement | +24V DC (±10%)                          |
| I/Os              | Opto-isolated 3 input/3 output, 1 RS232 |
| Data interface    | 100M/1000M Adaptive Ethernet            |
| Power consumption | < 6W@24VDC                              |

#### Optical Specifications

|            |           |
|------------|-----------|
| Lens mount | C – Mount |
|------------|-----------|

### More Versions

The PALLAS series of smart cameras are also available in open platform version PALLAS P513M/C and PALLAS P563M/C, which can be developed and programmed by users.

The open smart cameras provide operating environments such as OpenCV, Qt and Python, and support Windows and Linux platforms to develop applications.

### PALLAS Smart Camera (Open Platform Version)

| Model          | Interface                    | Resolution(H×V) | Frame Rate | Sensor                                  | Pixel Size      | Pixel Bit Depth | Mono/ Color | Version       |
|----------------|------------------------------|-----------------|------------|---|-----------------|-----------------|-------------|---------------|
| PALLAS P513M/C | 100M/1000M Adaptive Ethernet | 1280 × 960      | 54 fps     | 1/3" ON AR0135 global shutter CMOS      | 3.75μm × 3.75μm | 8bits           | Mono/Color  | Open Platform |
| PALLAS P563M/C | 100M/1000M Adaptive Ethernet | 3096 × 2080     | 29 fps     | 1/1.8" Sony IMX178 rolling shutter CMOS | 2.4μm × 2.4μm   | 8bits           | Mono/Color  | Open Platform |



## Embedded Vision

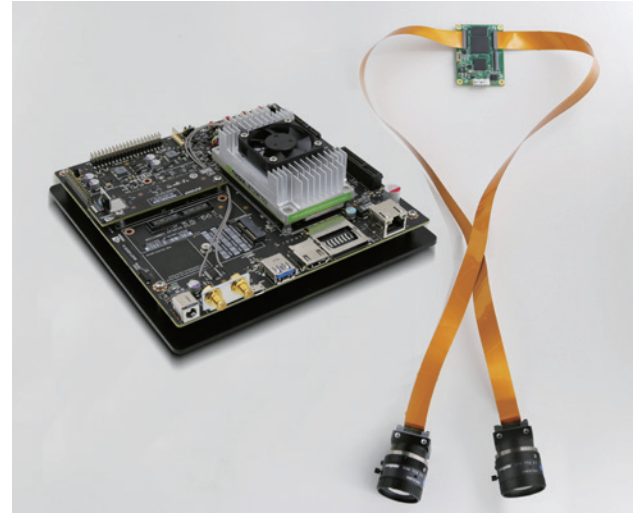
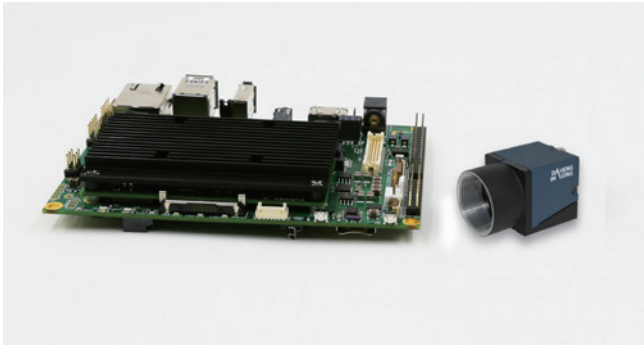
Embedded vision has become very popular in recent years, and it is well suited for some applications where the primary emphasis is on low cost, power consumption, size and weight, such as pilotless automobile, unmanned aerial vehicle, robot and medical device etc. Compared with traditional PC vision solutions, embedded vision solutions are more robust, cost effective and compact.



Thanks for the tremendous progress of computational capacity, data accumulation, mathematical tools and so on, we can see the rapid growth of artificial intelligence (AI). The popularity of AI has brought much attention to deep learning. For deep learning, GPUs' highly parallel structure make them more efficient than general-purpose CPUs for algorithms where the processing of large blocks of data is done in parallel. Through Nvidia's continuous research and development, the efficiency of GPU accelerated computing platform has been greatly improved, and the cost has been greatly reduced. DAHENG IMAGING has launched a supporting suite for NVIDIA's popular ARM+GPU computing platform, providing a complete set of embedded vision solutions, including data acquisition module, image processing algorithm package, and computing platform.

## Data Acquisition Module

DAHENG IMAGING's USB3.0 and GigE cameras of MERCURY series, MERCURY2 series, MARS series and VENUS series all support the ARM-Based platform and can be connected to any Linux platform, especially for ARM-Based embedded platforms with Linux operating system.



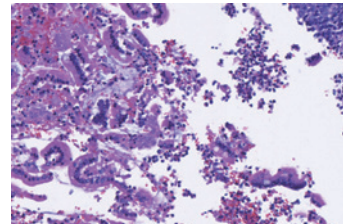
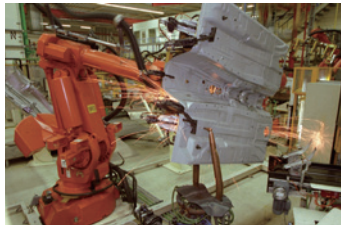
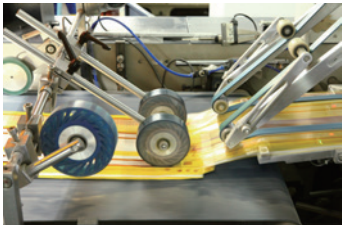
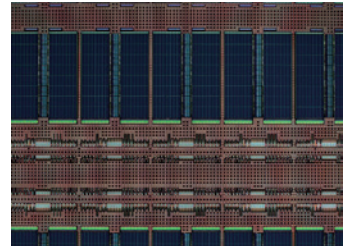
## Computing Platform

The following ARM platforms were extensively tested by DAHENG IMAGING:

- NVIDIA Jetson TX1/ TX2
- NVIDIA Tegra TK1
- Toradex Apalis TK1 on Ixora Carrier Board
- Raspberry Pi 3B, incl. support of the camera module

# Applications

Dedicated to Machine Vision





## Headquarters

Add.: 12F Daheng Science & Technology Tower, No.3 Suzhou Street, Haidian District, Beijing China, 100080

Tel. : +86 10 82828878

Fax.: +86 10 82828996

E-mail: [isales@daheng-imaging.com](mailto:isales@daheng-imaging.com)

<http://www.daheng-imaging.com/en/>



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