# iRAYPLE

# Board-level Industrial Cameras
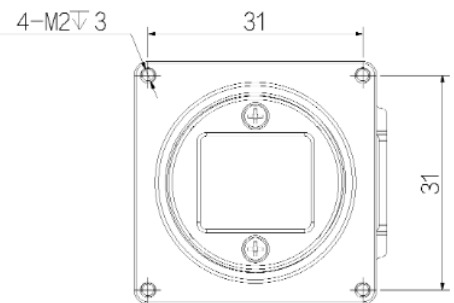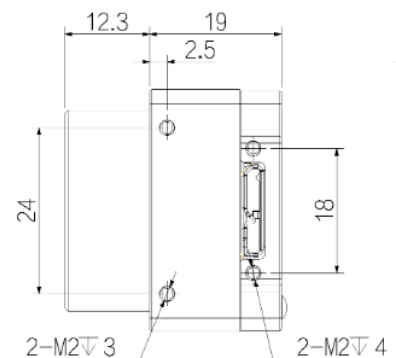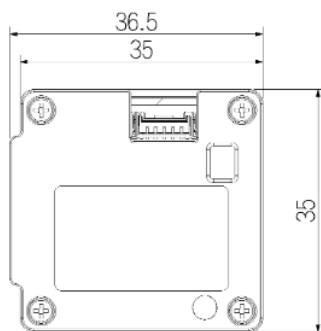
## AB5131MU000E

## Product Features

· USB3.0 interface, 5Gbps theoretical transfer bandwidth, power supply via USB interface;

· Compact design of 35mm*35mm*19mm;

· 128MB on-board cache for data transmission or image resend;

· Support Software Trigger/Hardware Trigger/Free Run Mode;

· Support ISP functions including Sharpness/Denoising/Gamma/LUT/BlackLevel
  Correction/TargetBrightness/Contrast etc.;

· Support multiple image data formats output/Binning/Mirror, etc.;

· Conform to USB3.0 Vision protocol and GenICam standard;
  Conform to CE, FCC, RoHS;

## Dimensions (mm)

# iRAYPLE

## Technical Specifications

| Model Name | AB5131MU000E |
|---|---|
| Sensor | PYTHON 1300 |
| Sensor Type | 1/2"CMOS |
| Shutter | Global |
| Resolution | 1280 x 1024 |
| Frame Rate | 208 |
| Bit Depth | 10 |
| Mono/Color | Mono |
| Pixel Size | 4.8x4.8 |
| Pixel | 1.3MP |
| S/N Ratio | 38dB |
| WDR | 60dB |
| Image Format | Mono8/10/10Packed |
| Binning | Support |
| ROI | Support |
| X-axis Flip | Support |
| Y-axis Flip | Support |
| Gain | 1~32 |
| Gamma | from 0 to 4, support LUT |
| Exposure Time | 40µS~1S |
| Sync Mode | Software Trigger/Hardware Trigger/Free Run Mode |
| SPC | Support |
| FPN | Support |
| User Setting | Support two sets of user-defined configurations |
| Cache | 64MB image cache |
| Port | USB3.0 |
| GPIO | Standard 5 pin trigger connecter: 1x Opto-isolated input, 1x Opto-isolated output, 1 configurable input and output |
| Lens Mount | C-mount |
| Power Supply | power supply via USB interface  (conform to USB3.0 interface specification) |
| Power Consumption | 12V≈3.4W |
| Dimensions | 35mm*35mm*19mm (not including lens mount) |
| Weight | 46g |
| Working Environment | Storage: - 30℃~+80℃；Operation: - 30℃~+50℃ |