



## S-201

1920 x1080 up to 1200fps

## S-202

1920 x1080 up to 2200fps

## S-203

1920 x1080 up to 3200fps

## MINI POWERFUL FULL HD HIGH PERFORMANCE CAMERA

YUKI S-Series combines our advance proprietary CMOS image sensor technology with extensive know-how in the field of high-speed digital imaging to provide cameras that can flexibly accommodate a wide range of applications. Available in 3 models, YUKI S-Series offers 12-bit high speed recording up to 30,000 frames per second (fps) and shutter speeds up to 100ns.

### Unique features:

- 100ns minimum exposure time
- 150G shock tolerance
- Long recording time
- 3G Video output
- Up to 65 degree C
- Small and compact
- Impressive color image
- Full HD high resolution

| Model:                | S-201                                                                                        | S-202     | S-203     |
|-----------------------|----------------------------------------------------------------------------------------------|-----------|-----------|
| Max. Resolution       | 1920 x 1080                                                                                  |           |           |
| Max. Resolution Speed | 1200fps                                                                                      | 2200fps   | 3200fps   |
| Max. Recording Speed  | 110000fps                                                                                    | 205000fps | 300000fps |
| Sensor Pixel Size     | 10µm                                                                                         |           |           |
| Min. Exposure Time    | 100ns                                                                                        |           |           |
| Dual Exposure Mode    | 300ns                                                                                        |           |           |
| Dynamic Range         | 60dB                                                                                         |           |           |
| Bit Depth             | 8 / 10 / 12 bit                                                                              |           |           |
| Sensitivity           | ISO 30000 (Monochrome) / ISO 10000 (Color)                                                   |           |           |
| Analog Gain           | 2x 4x 8x                                                                                     |           |           |
| Recording Memory      | 16GB / 32GB / 64GB / 512GB / 1TB / 2TB                                                       |           |           |
| Data Interface        | 10GigE , Adaptive Gigabit Ethernet                                                           |           |           |
| Video Signal Output   | Ethernet / 3G-SDI                                                                            |           |           |
| Trigger Mode          | Software / IO / IAC (Image Auto Capture)                                                     |           |           |
| I/O Signal            | INPUT : Trigger (TTL/Switch), RS422, SYNC, Ready, Event, IRIG<br>OUTPUT : SYNC, Ready, Event |           |           |
| Operating Temperature | -10 to 50 degree Celsius<br>-40 to 65 degree Celsius (customizable)                          |           |           |
| Humidity              | <95% (without condensation)                                                                  |           |           |
| Dimension             | L89 x W72 x H72 mm (exclude lens)                                                            |           |           |
| Power                 | DC 24V , <30W                                                                                |           |           |
| Shock Resistance      | 150g / 11ms all axis, spikes up to 200g                                                      |           |           |

Specifications subject to change without prior notice

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### S-201

| Resolution  | Recording Speed | Recording Time |       |       |       |
|-------------|-----------------|----------------|-------|-------|-------|
|             |                 | 16GB           | 64GB  | 1TB   | 2TB   |
| 1920 x 1080 | 1200 fps        | 6.9s           | 27.6s | 7min  | 14min |
| 1920 x 720  | 1800 fps        | 6.9s           | 27.6s | 7min  | 14min |
| 1920 x 512  | 2500 fps        | 6.9s           | 27.6s | 7min  | 14min |
| 1920 x 256  | 4900 fps        | 7s             | 28s   | 7min  | 14min |
| 1920 x 128  | 9600 fps        | 7s             | 28s   | 13min | 14min |
| 1920 x 8    | 82500 fps       | 13.5s          | 54s   | 20min | 27min |
| 1920 x 4    | 110000 fps      | 20.3s          | 81.2s | 24min | 41min |

### S-202

| Resolution  | Recording Speed | Recording Time |       |        |         |
|-------------|-----------------|----------------|-------|--------|---------|
|             |                 | 16GB           | 64GB  | 1TB    | 2TB     |
| 1920 x 1080 | 2200 fps        | 3.7s           | 14.8s | 3.8min | 7.6min  |
| 1920 x 720  | 3300 fps        | 3.7s           | 14.8s | 3.8min | 7.6min  |
| 1920 x 512  | 4600 fps        | 3.8s           | 15.2s | 3.8min | 7.6min  |
| 1920 x 256  | 9200 fps        | 3.8s           | 15.2s | 3.8min | 7.6min  |
| 1920 x 128  | 17900 fps       | 3.8s           | 15.2s | 3.8min | 7.6min  |
| 1920 x 8    | 153000 fps      | 7.3s           | 29.2s | 7.4min | 14.8min |
| 1920 x 4    | 205000 fps      | 10.9s          | 43.6s | 11min  | 22min   |

### S-203

| Resolution  | Recording Speed | Recording Time |       |        |         |
|-------------|-----------------|----------------|-------|--------|---------|
|             |                 | 16GB           | 64GB  | 1TB    | 2TB     |
| 1920 x 1080 | 3200 fps        | 2.5s           | 10s   | 2.6min | 5.2min  |
| 1920 x 720  | 4800 fps        | 2.5s           | 10s   | 2.6min | 5.2min  |
| 1920 x 512  | 6800 fps        | 2.5s           | 10s   | 2.6min | 5.2min  |
| 1920 x 256  | 13500 fps       | 2.5s           | 10s   | 2.6min | 5.2min  |
| 1920 x 128  | 26200 fps       | 2.6s           | 10.4s | 2.6min | 5.2min  |
| 1920 x 8    | 224000 fps      | 5s             | 20s   | 5.1min | 10.2min |
| 1920 x 4    | 300000 fps      | 7.4s           | 29.6s | 7.5min | 15.1min |

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