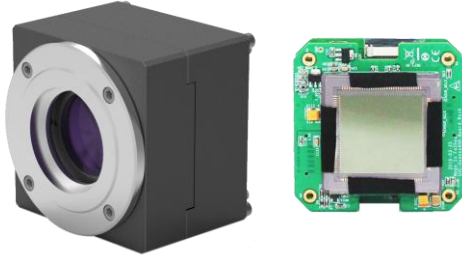


## Sub-Miniature UV imaging

### SCMOS Camera



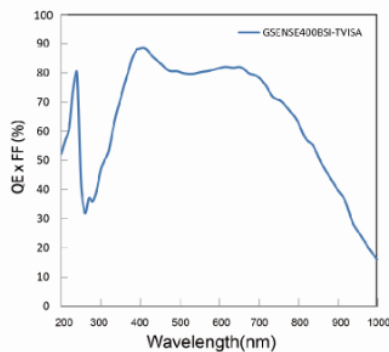
#### Applications

- UV detection
- Spectrum detection
- Forensics
- Medical imaging

#### Product Advantages

1. Back-illuminated chip technology
2. 180-1100nm UV spectral response
3. Low readout noise(1.3 e<sup>-</sup>)
4. 100000 e<sup>-</sup> full well capacity
5. 93 dB dynamic range
6. 4MP,25fps high frame rate preview
7. USB3.0 power supply
8. USB3.0 output with multiple trigger functions

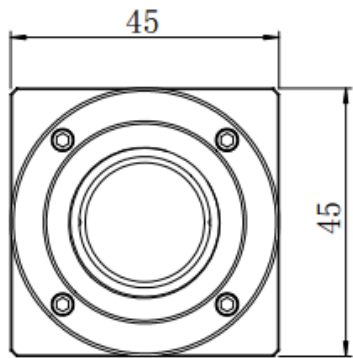
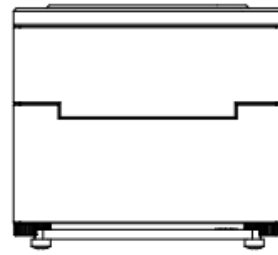
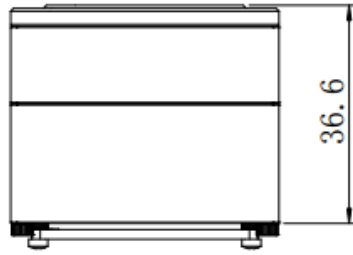
#### Data Graphics



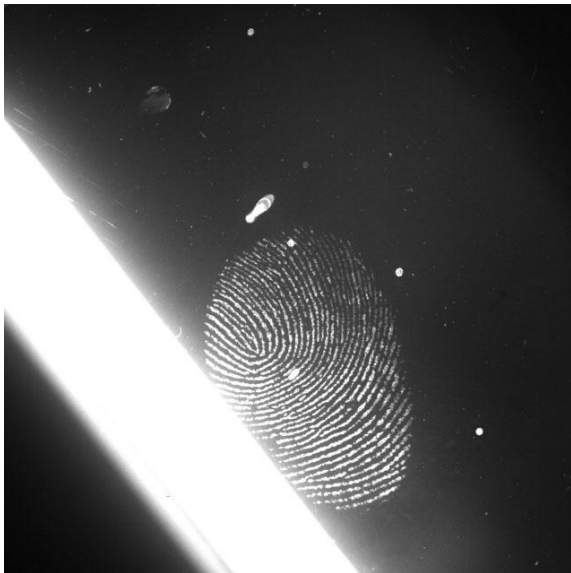
#### Technical Specification

<b>Product Model</b>	<b>S-UV</b>
<b>Imaging Sensor</b>	
Type	SCOMS
Size	2 inch
Color/Monochrome	Monochrome
Active Pixels	4 MP
Image Resolution	2048x2048
Pixel Size	11µm x 11µm
<b>Performance Parameters</b>	
QE	> 80 % @220 nm, 90% @420 nm
Readout Noise	1.3 e <sup>-</sup>
Sensitivity Threshold	2 p <sup>-</sup>
Full Well Capacity	100000e <sup>-</sup>
PRNU	0.60%
DSNU	0.02%
Linearity	0.99975
Dynamic Range	93dB
Shutter Type	Rolling
<b>Exposure Control</b>	
Exposure Mode	Manual
Exposure Time	0.02ms-10min
<b>Image Processing</b>	
Parameter Setting	ROI, Gamma, Contrast, External trigger
Scan Mode	Progressive
A/D	16bit
Cooling	N/A
<b>Preview</b>	
Frame Rate	24fps@2048x2048
Data Cable	1.8 meters USB3.0 cable
<b>Interface</b>	
Optical Interface	M42-T mount , EF mount
Date Interface	USB3.0/5Gb/s
Power Interface	USB 3.0 ,USB2.0 (optinal)
<b>Others</b>	
Dimensions(mm)	Camera: 45 x 45x36.6
	PCB:38 x 38 x 35
Weight(g)	Camera: 165
	PCB: 65

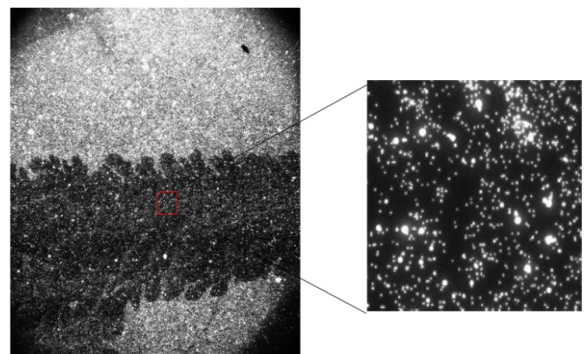
## Dimensions



## Application Case



fingerprint detection



gene sequencing