

Eco-savvy 2.0

—Beyond Innovation IP Solution



Eco-savvy 2.0

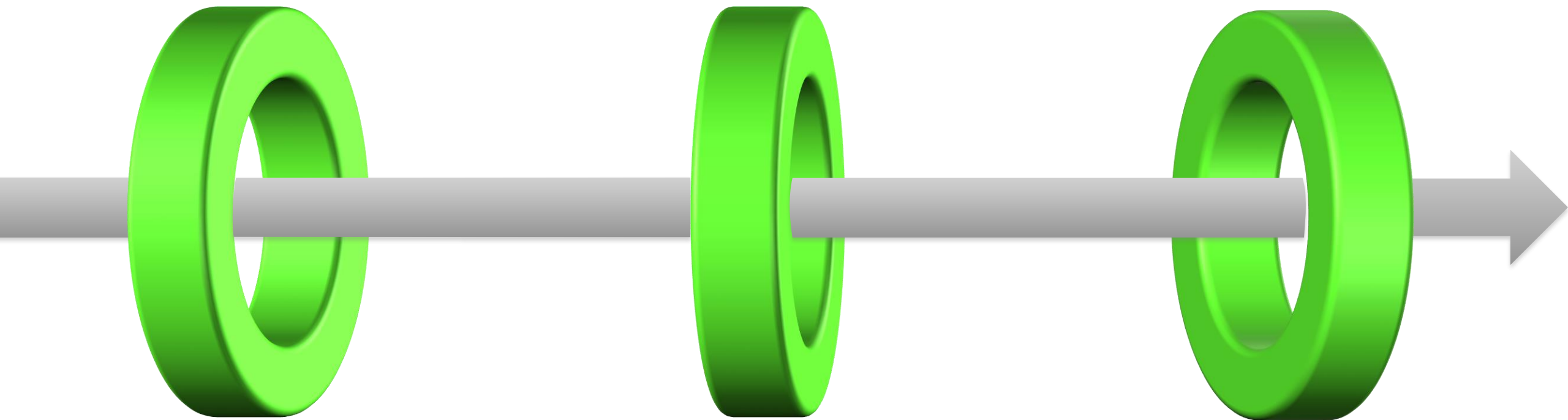
VS

Eco-savvy 1.0

Higher chip

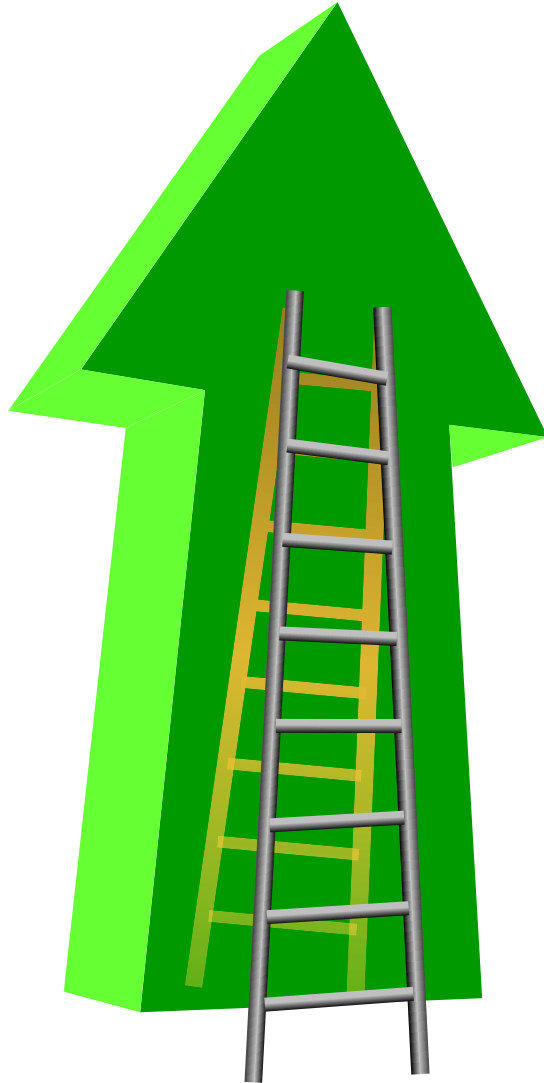
Variable sensor

Humanity structure



Eco-savvy 2.0 VS Eco-savvy 1.0

Higher chip



Eco-savvy 1.0



Eco-savvy 2.0

Ambarella A5S



Ambarella S2LM

45nm Process



28nm Process

600 Line Definition



1000 Line Definition

No HDR



HDR

No ROI



ROI

No IVS



Intelligent detect

5MP@12fps or
3MP@20fps



5MP@15fps or
2K(4MP)@ 20fps or
3MP@30fps

Chipset Upgrade



28nm produce technology

45nm produce technology

Cortex-A9 up to 600MHz

ARM11 up to 528MHz

<500mW

700mW

WDR

N/A

Distortion correction

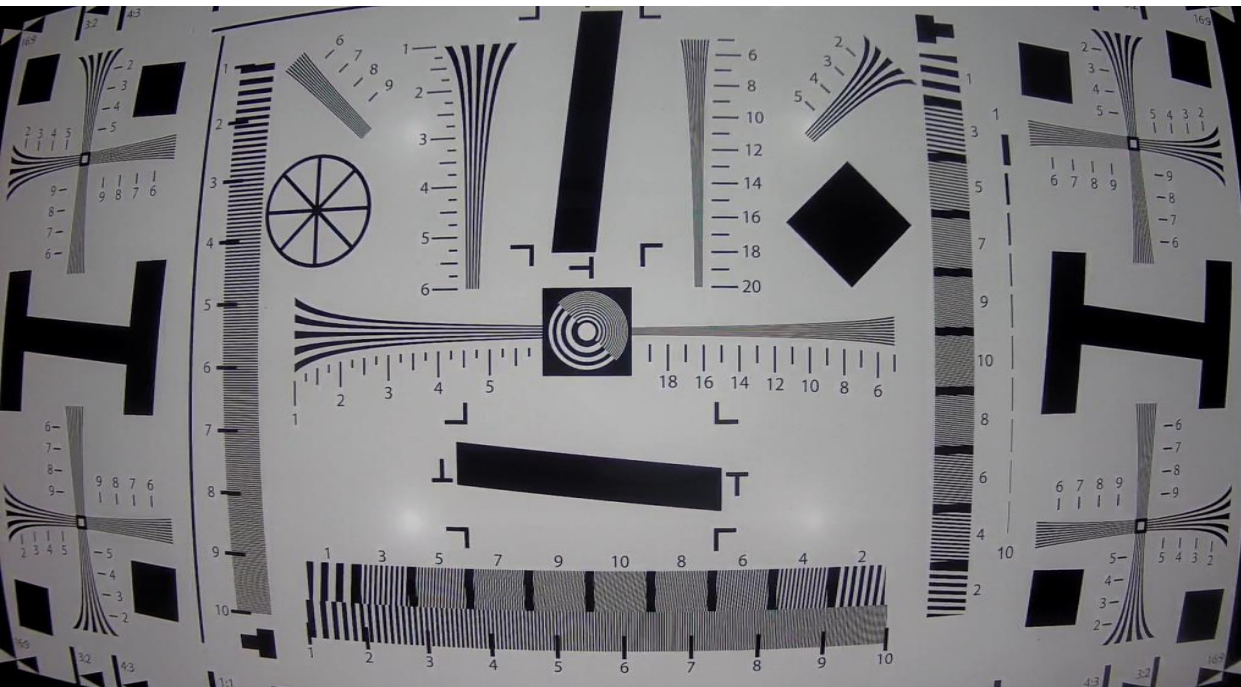
N/A

ROI

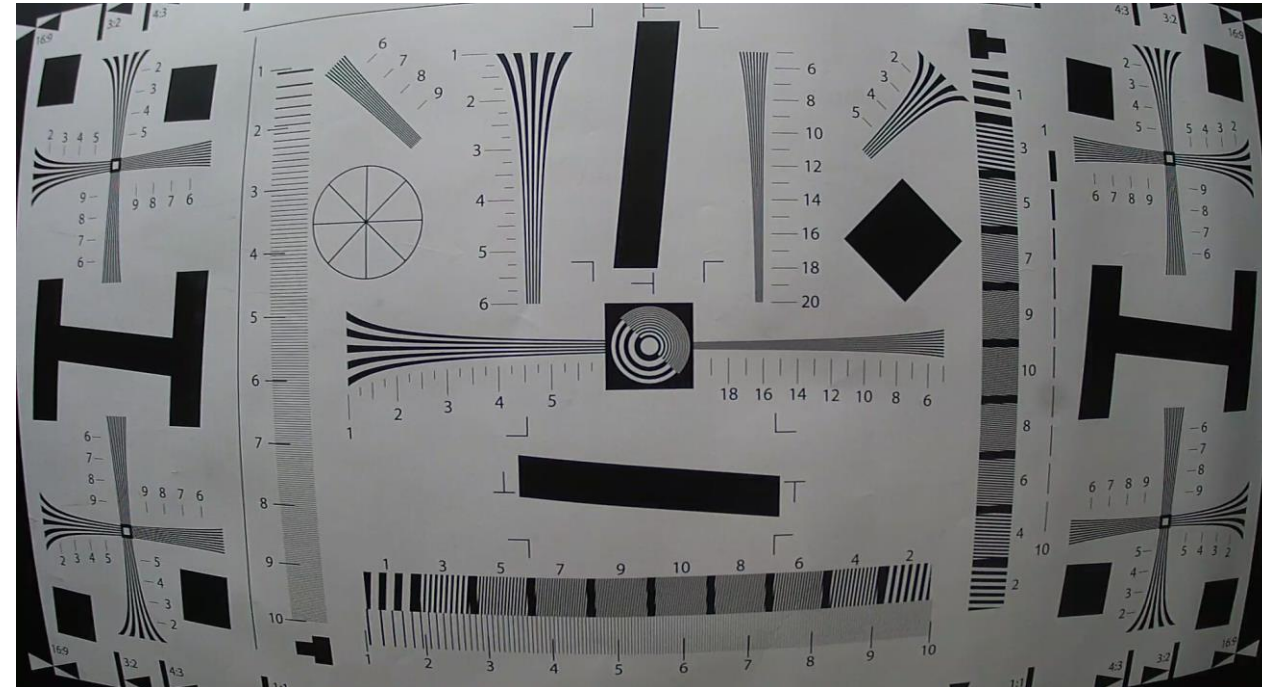
N/A

5MP@15fps, 4MP@20fps, 3MP@30fps

5MP@12fps, 3MP@20fps

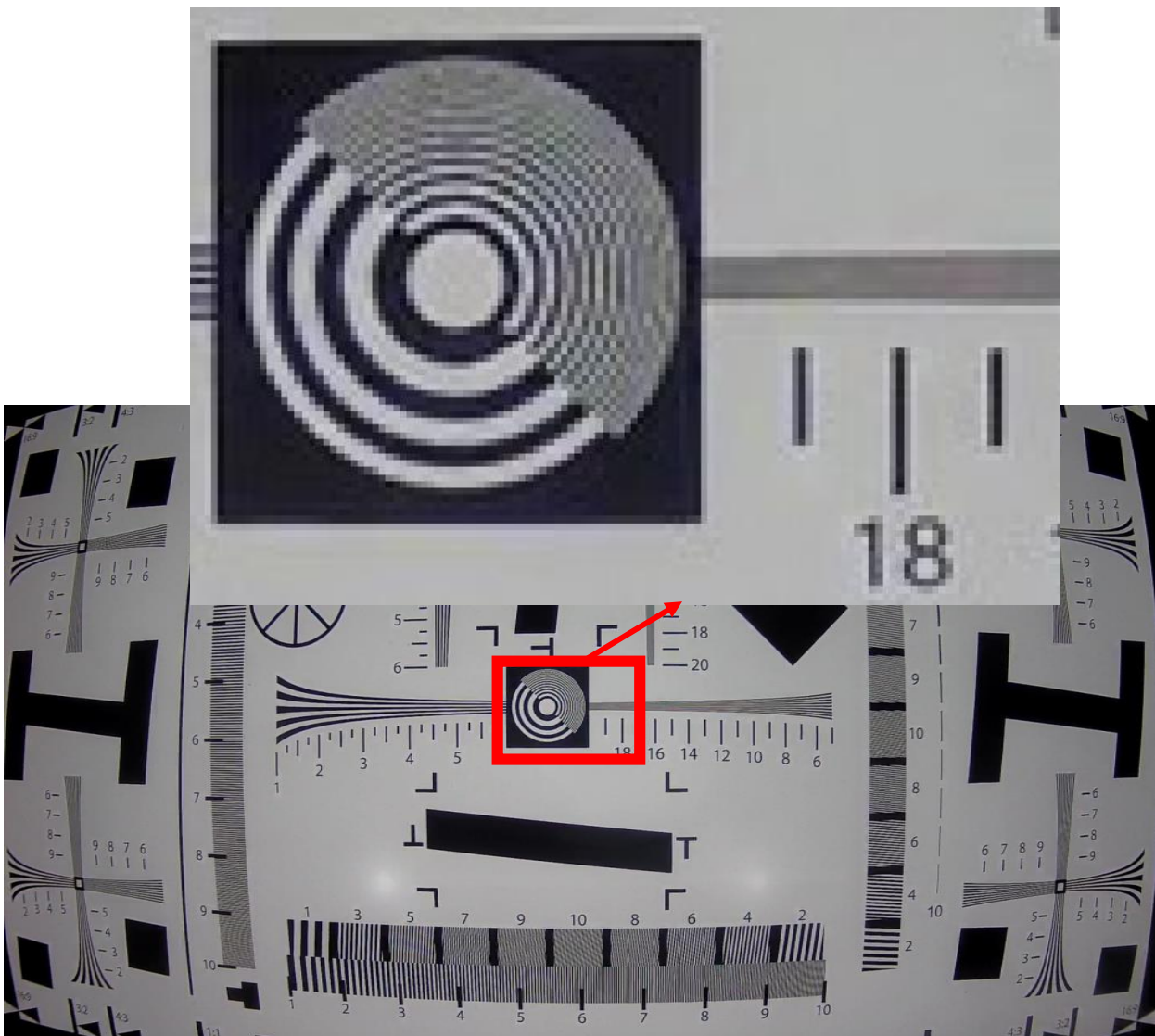


Eco-savvy 2.0
1080P

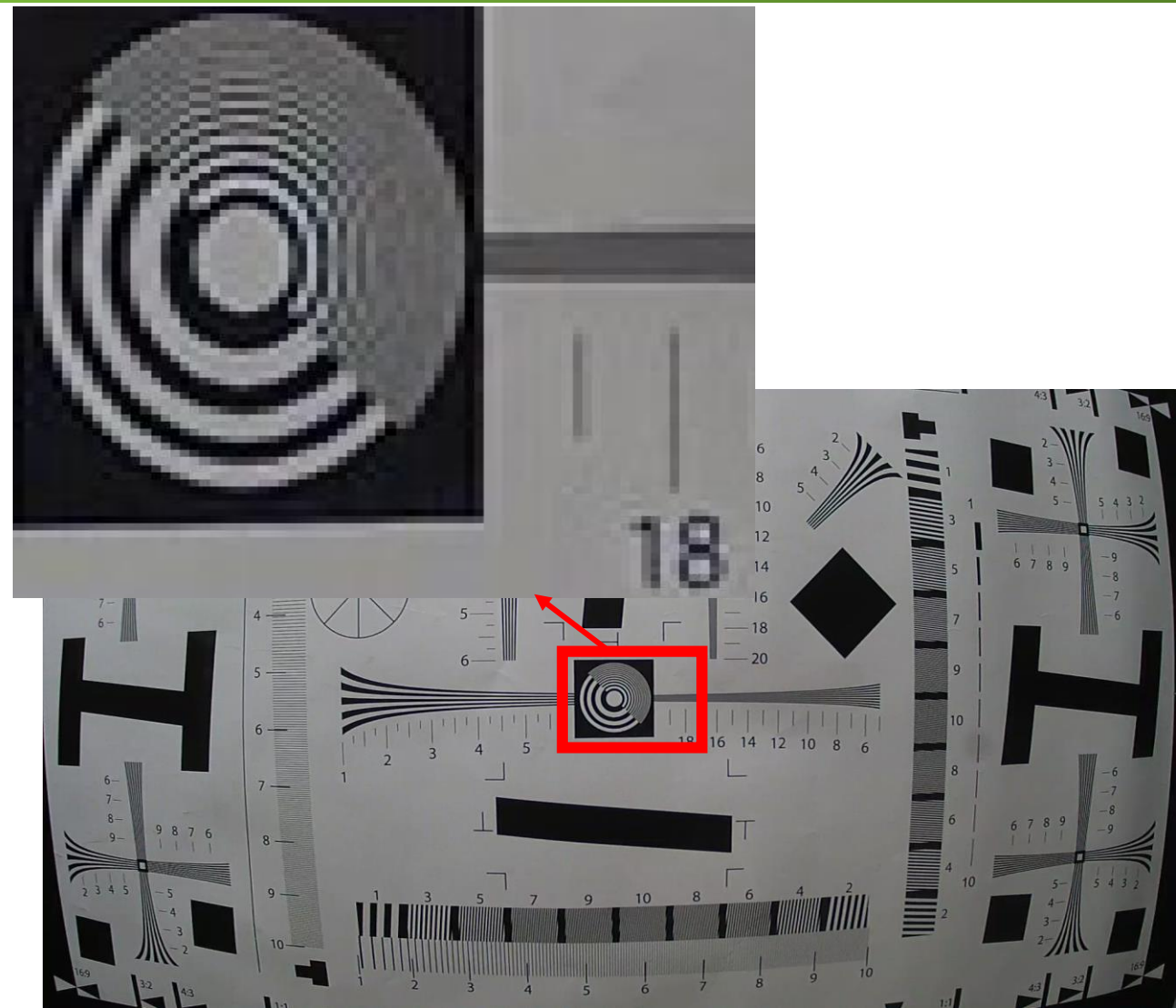


Eco-savvy 1.0
1080P

Image Definition



Eco-savvy 2.0
1080P



Eco-savvy 1.0
1080P



Eco-savvy 2.0
1080P



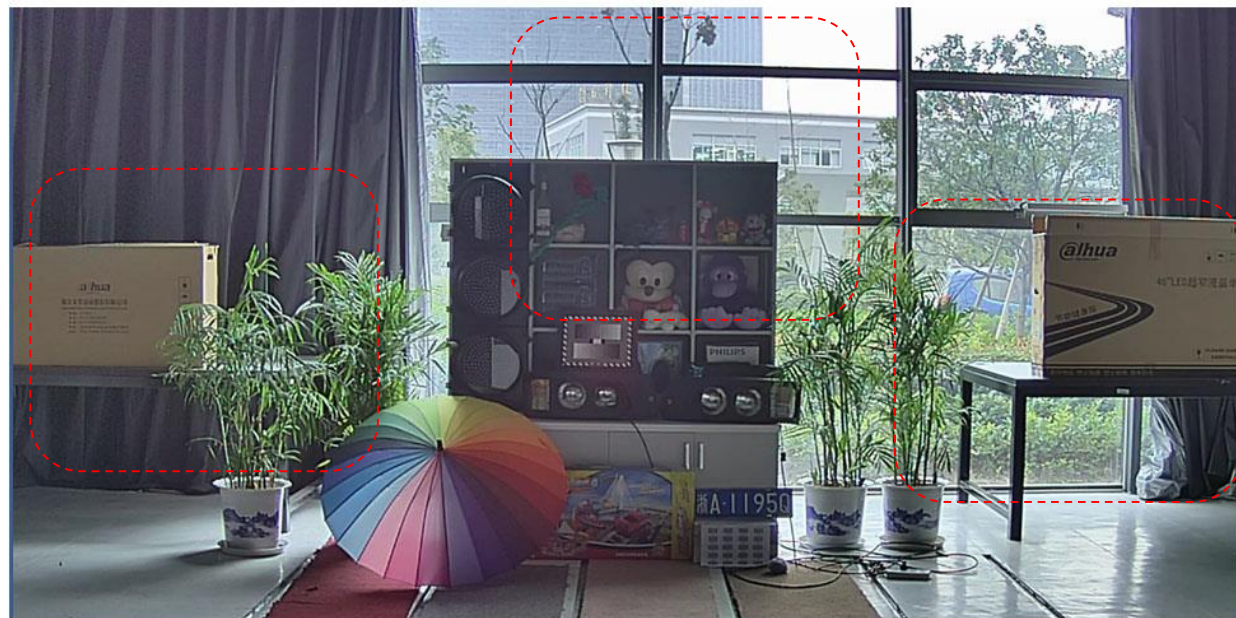
Eco-savvy 1.0
1080P



Eco-savvy 2.0 2MP



Eco-savvy 1.0 2MP



WDR ON



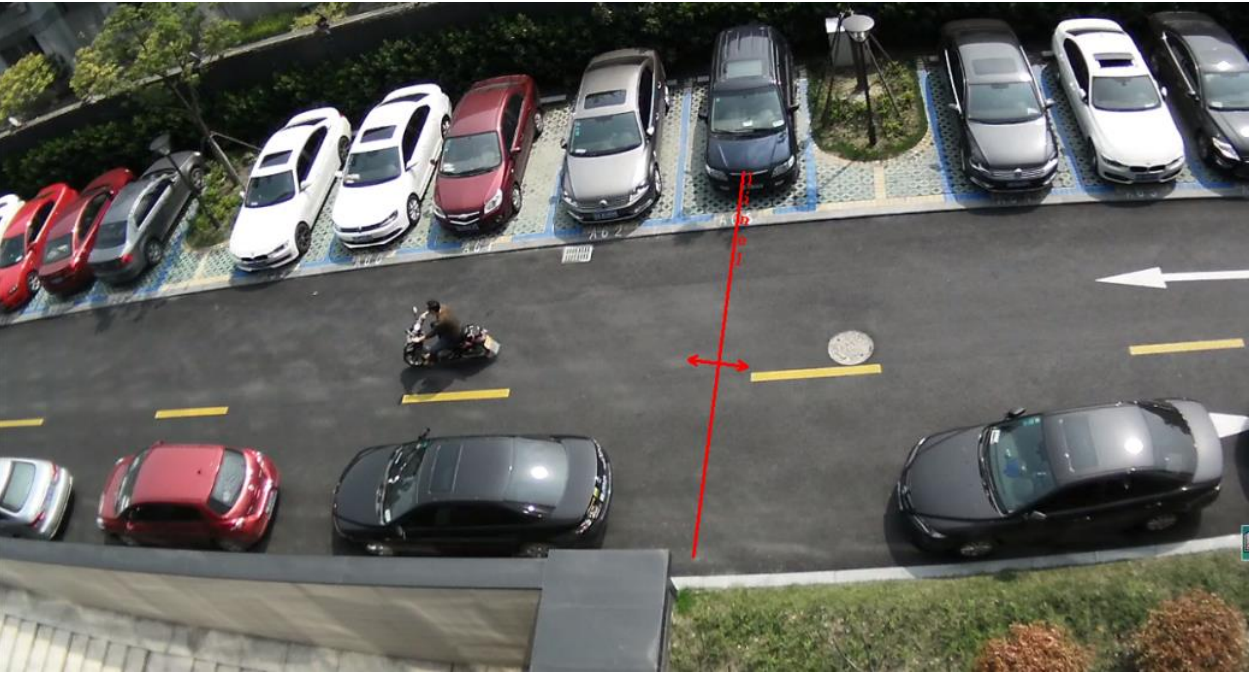
WDR OFF



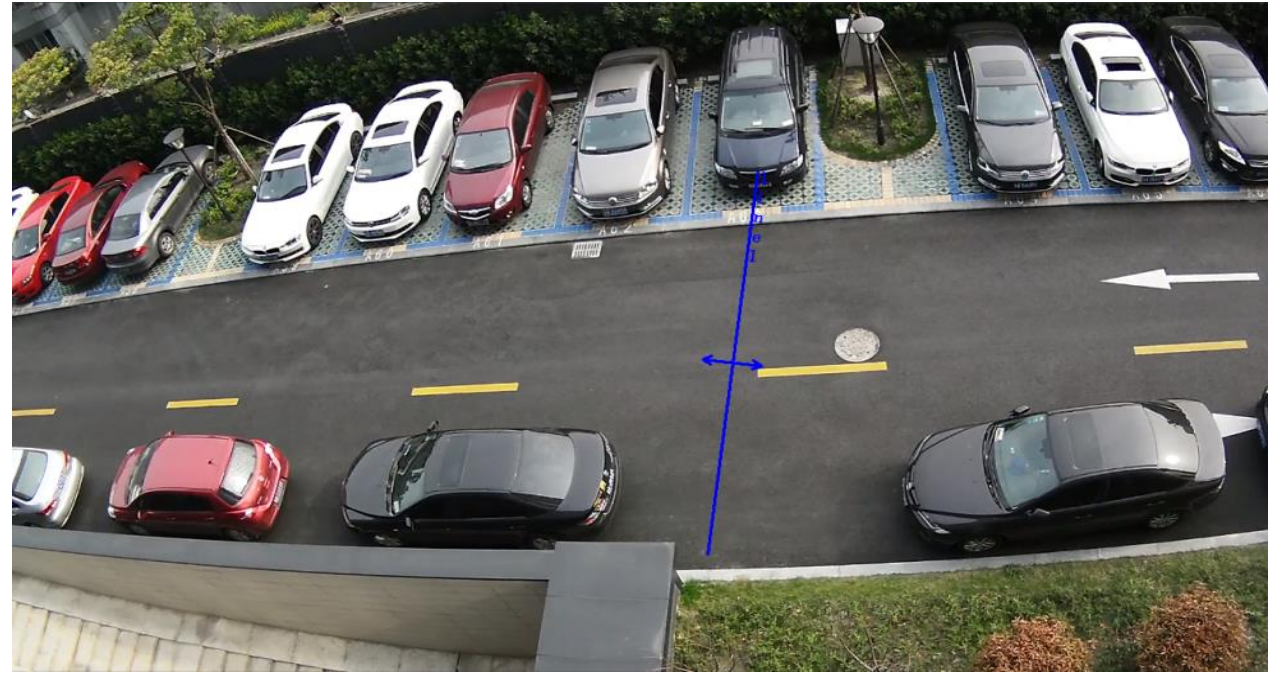
1080P 512Kbps ROI ON



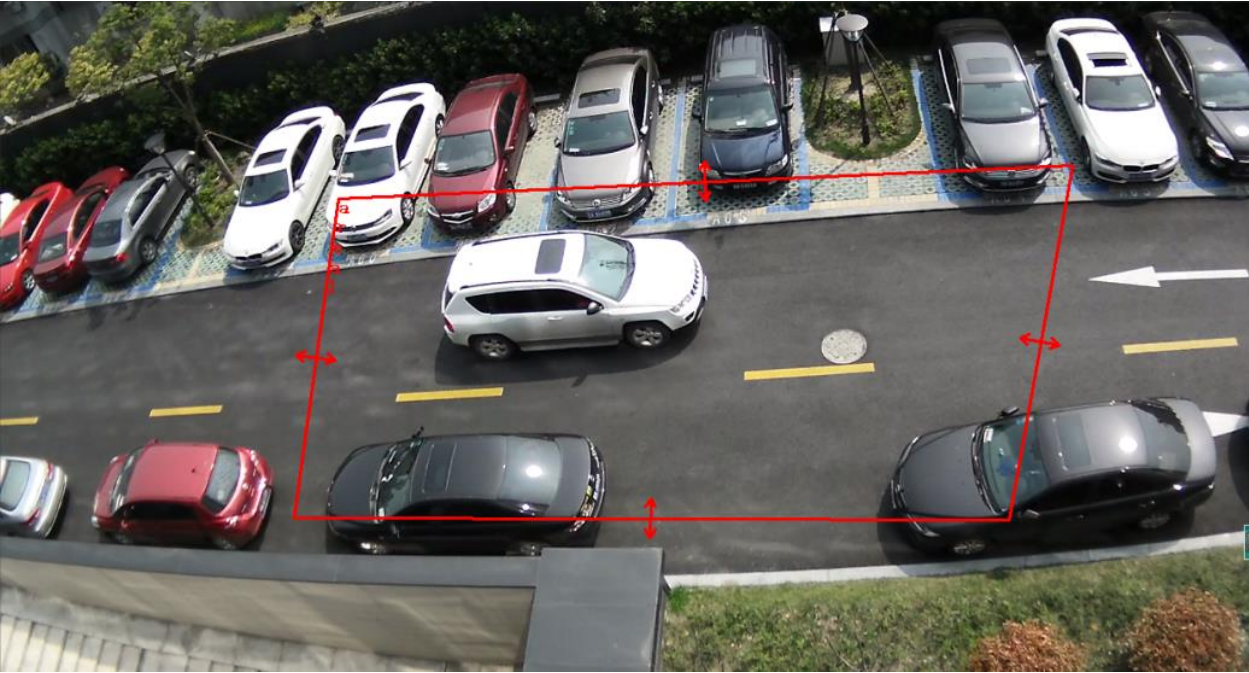
1080P 512Kbps ROI OFF



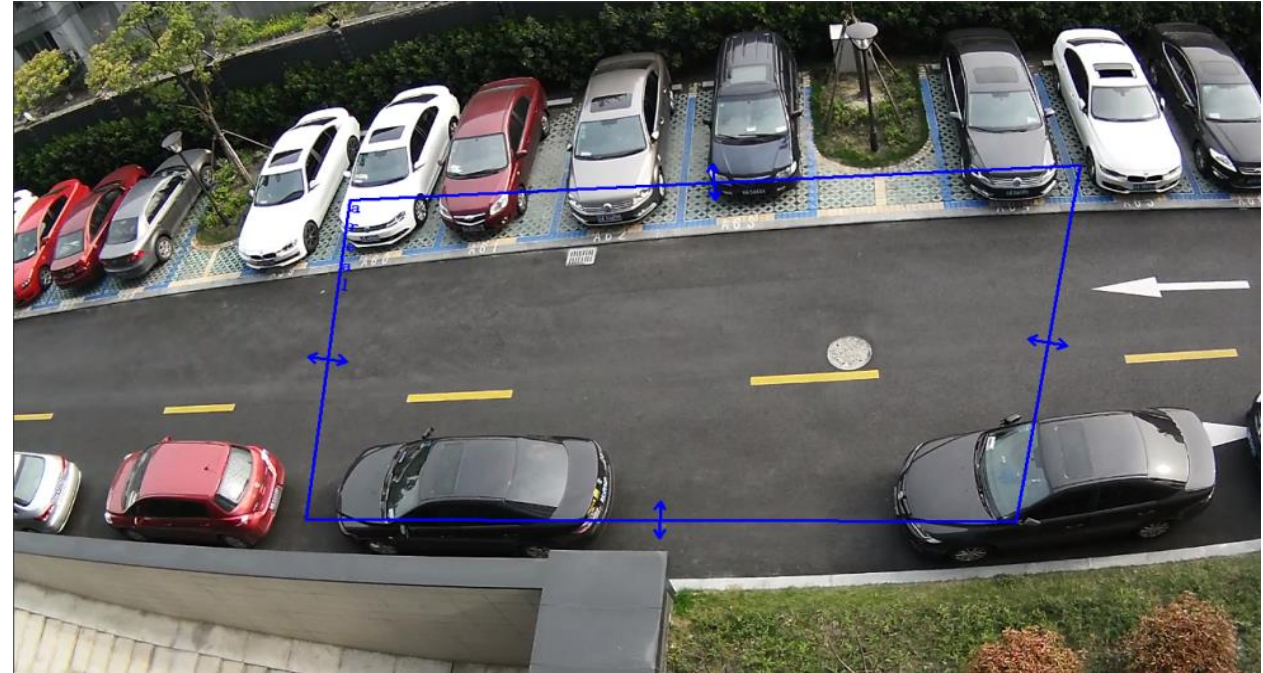
Alarm



Normal



Alarm

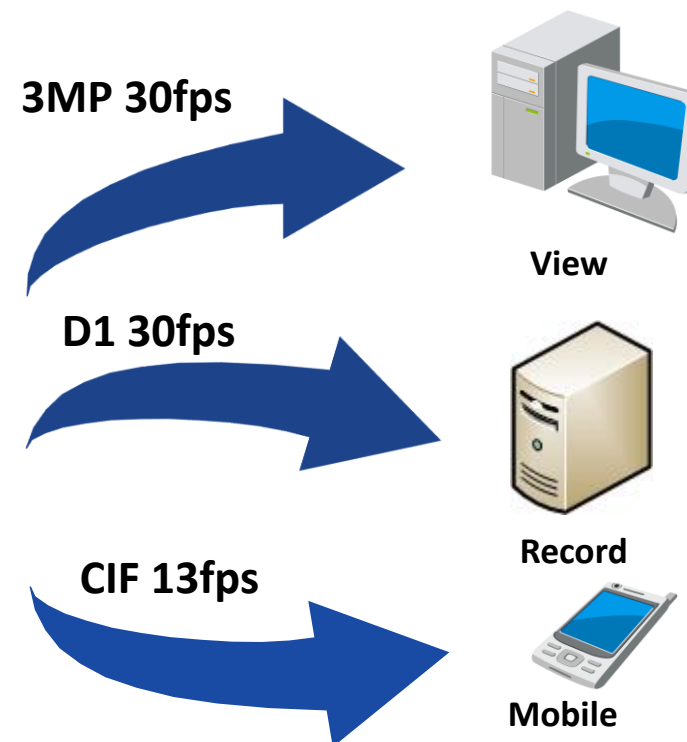


Normal

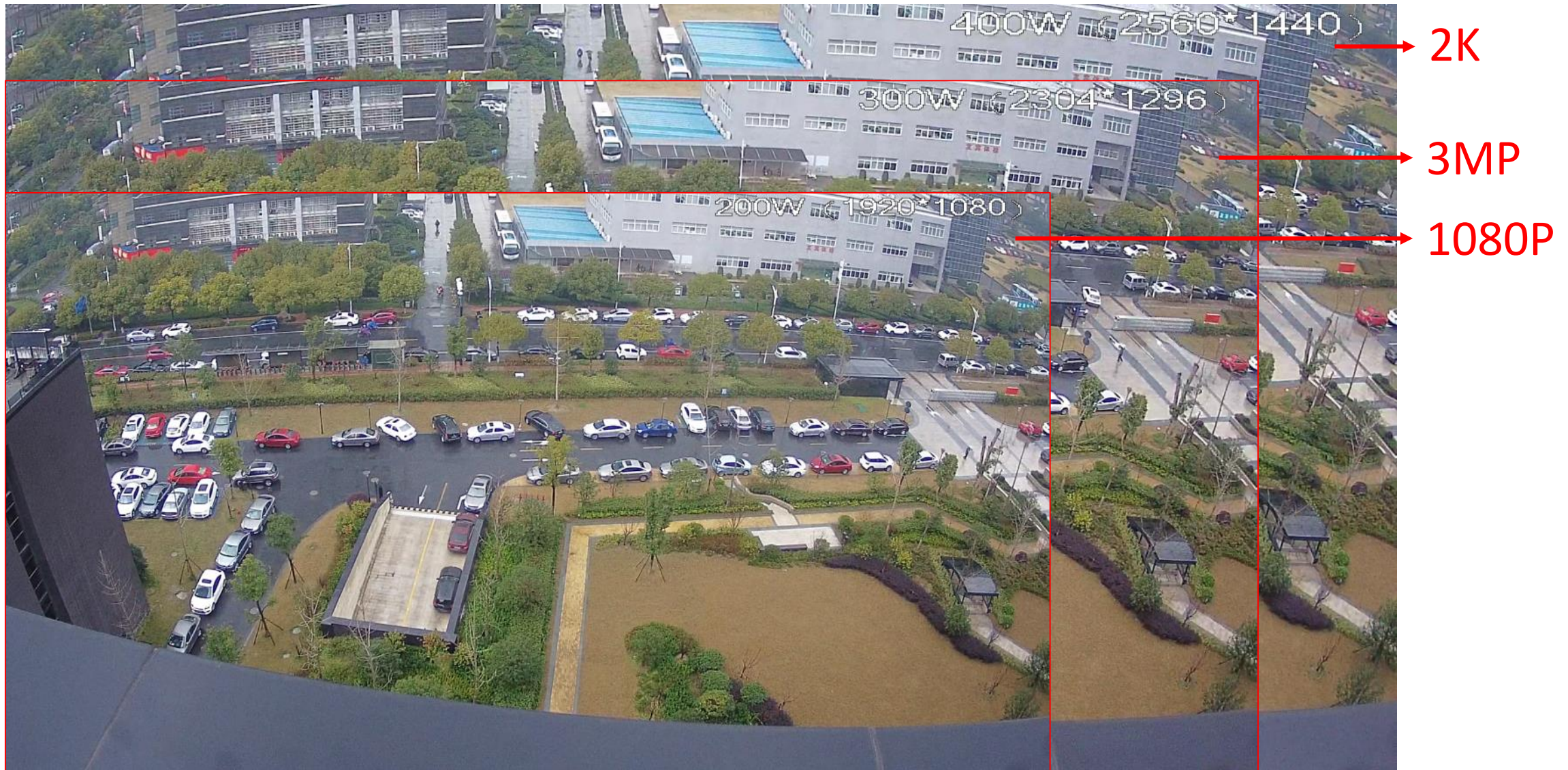
Eco-savvy 1.0:
1080P@30fps+D1@30fps



Eco-savvy 2.0:
3MP@30fps+D1@30fps+CIF@13fps/720P@2fps
or 4MP@20fps+D1@20fps+720P@20fps



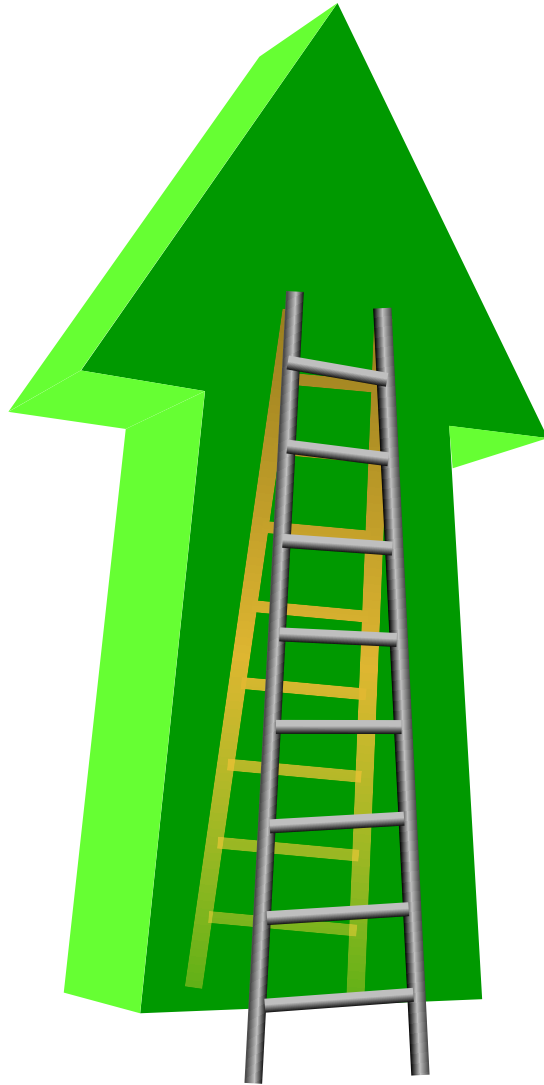
4MP Resolution



4MP resolution, provide larger image and more details than 3MP

Eco-savvy 2.0 VS Eco-savvy 1.0

Variable sensor



Eco-savvy 1.0



Eco-savvy 2.0

1.3MP



1.3MP WDR

2MP



2MP WDR

3MP



4MP

Benefit of 4MP



Eco-savvy 2.0 4MP 16:9

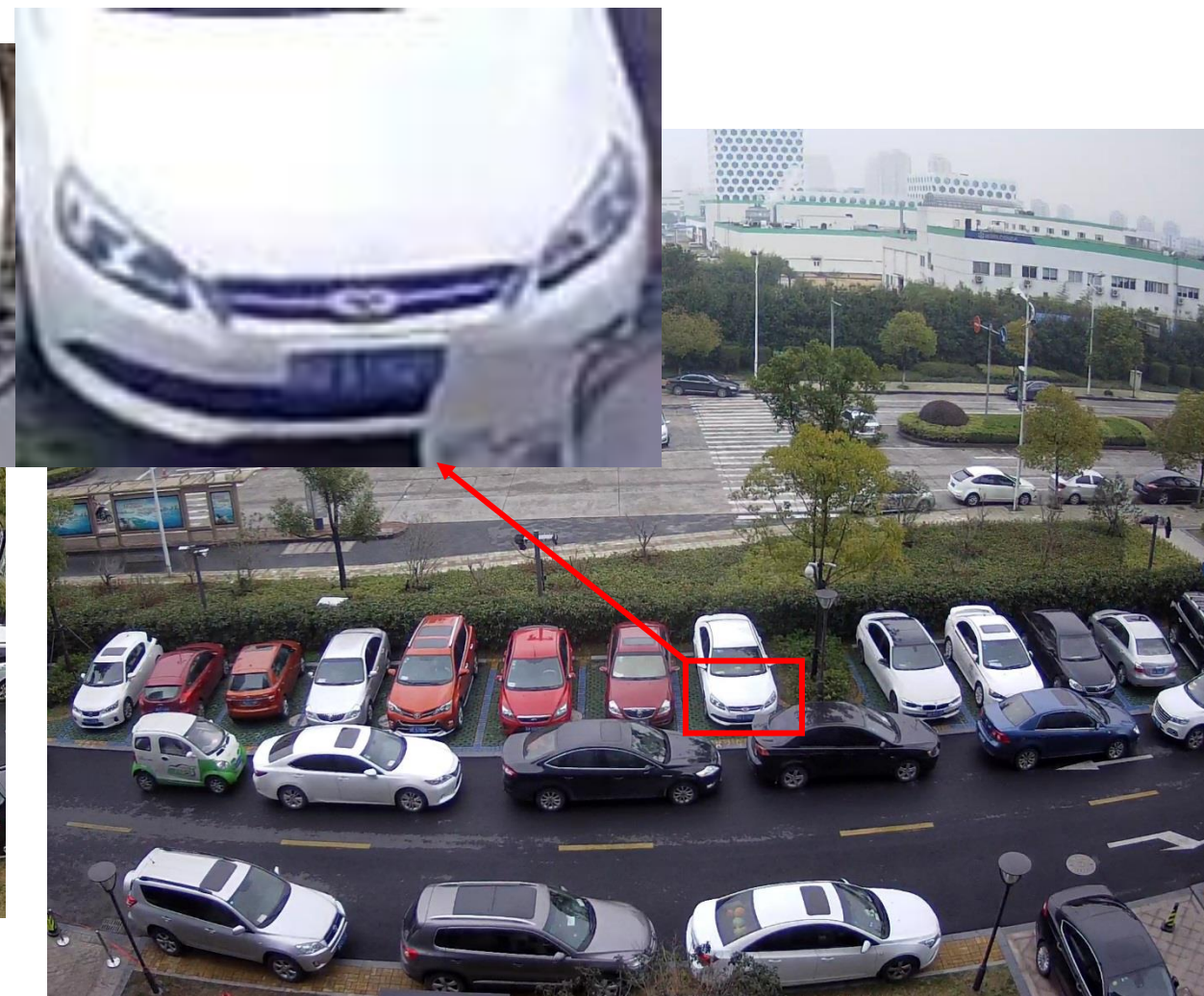


Eco-savvy 1.0 3MP 4:3

2K Resolution compared with 3MP



Eco-savvy 2.0 4MP 16:9



Eco-savvy 1.0 3MP 4:3

Eco-savvy 1.0



Eco-savvy 2.0

New



New



ECO-SAVVY 1.0	ECO-SAVVY 2.0
HF5100 HF5200	HF5121E HF5221E HF5421E
HFW5100C HFW5200C/5202C HFW5300C/5302C HFW5502C	HFW5121E-Z HFW5220E-Z HFW5221E-Z HFW5421E-Z
HDB(W)5100 HDB(W)5200/5202 HDB(W)5300/5302 HDB(W)5502	HDBW5121E-Z HDBW5220E-Z HDBW5221E-Z HDBW5421E-Z

4000 Series



Eco-savvy 1.0



Eco-savvy 2.0



New bracket

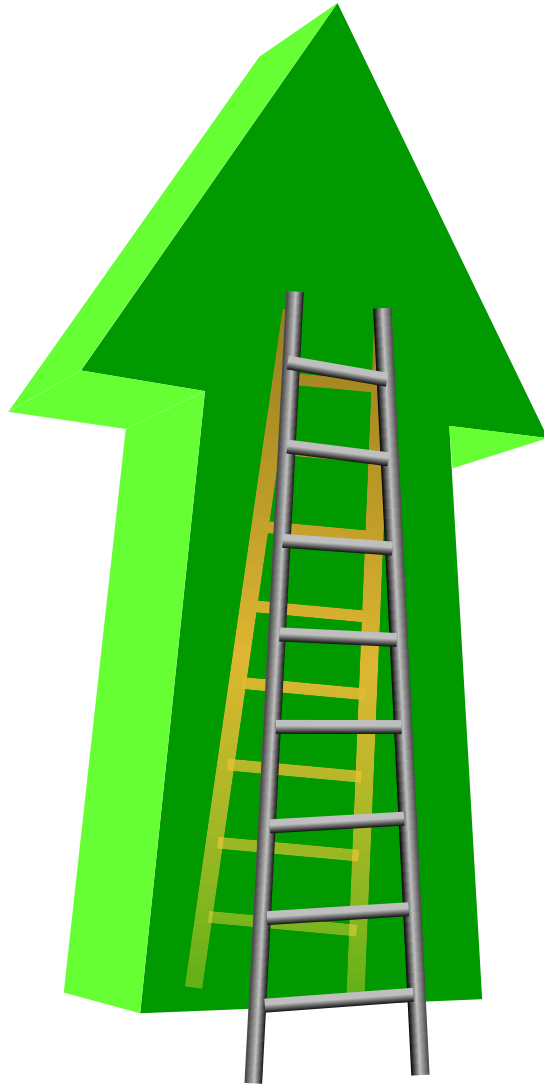
3-axis

New

ECO-SAVVY 1.0	ECO-SAVVY 2.0
HFW4100E HFW4200E HFW4300E	HFW4120E HFW4220E HFW4221E HFW4421E
HFW4100S HFW4200S HFW4300S	HFW4120S HFW4220S HFW4221S HFW4421S
HDBW4100E HDBW4200E HDBW4300E	HDBW4120E HDBW4220E HDBW4221E HDBW4421E
HDW4100S HDW4200S HDW4300S	HDW4120M HDW4220M HDW4221M HDW4421M
	HDBW4120F HDBW4220F HDBW4221F HDBW4421F

Eco-savvy 2.0 VS Eco-savvy 1.0

Humanity design



Eco-savvy 1.0



Eco-savvy 2.0

No light sensor



Light sensor added

Old IR Bullet



New IR Bullet

Old IR Dome



New IR Dome

Old Small IR Bullet



New Small IR Bullet

2-axis "E" IR Dome



3-axis "E" IR Dome

Plastic IR Eyeball



Metal IR Eyeball

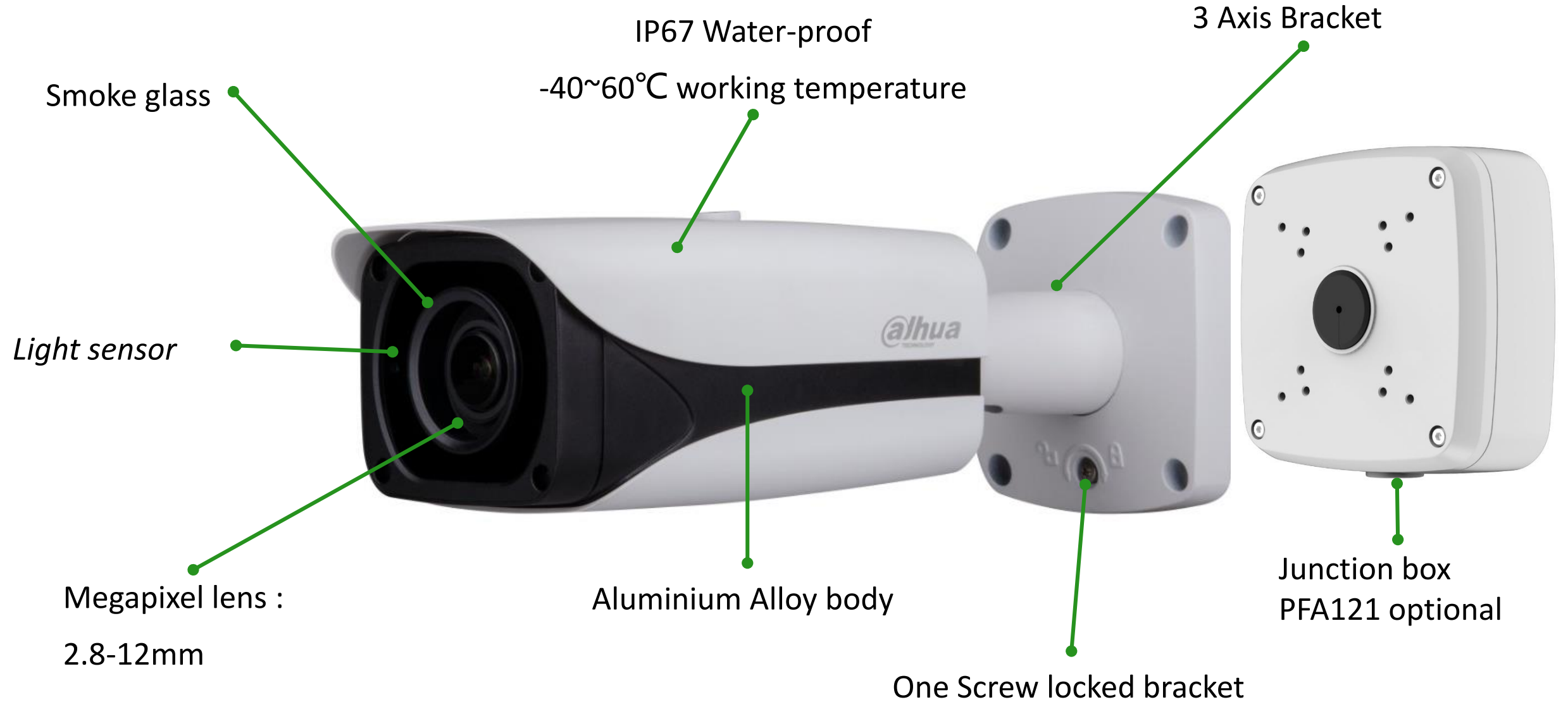
NA



New IR Wedge Dome

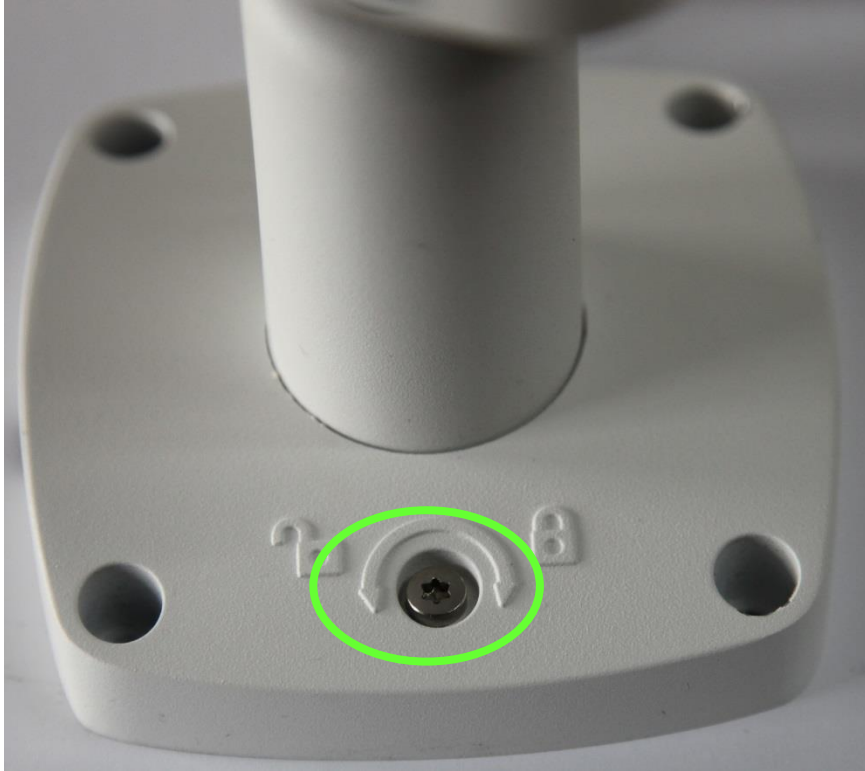


Light sensor:
Make the day/night switch more reliable.

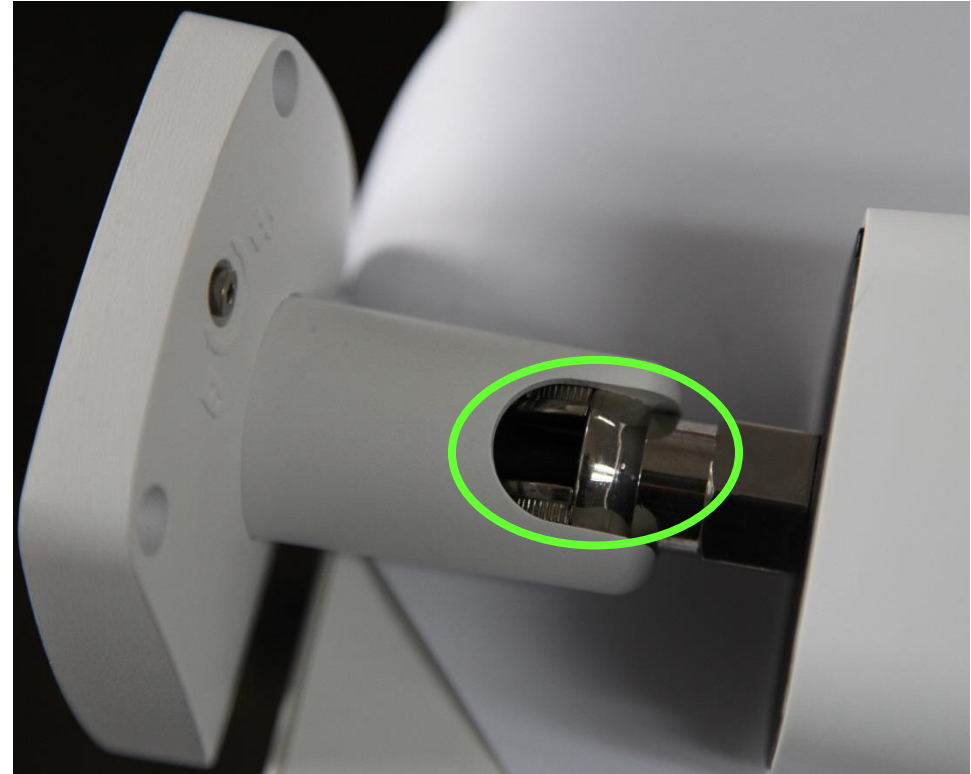




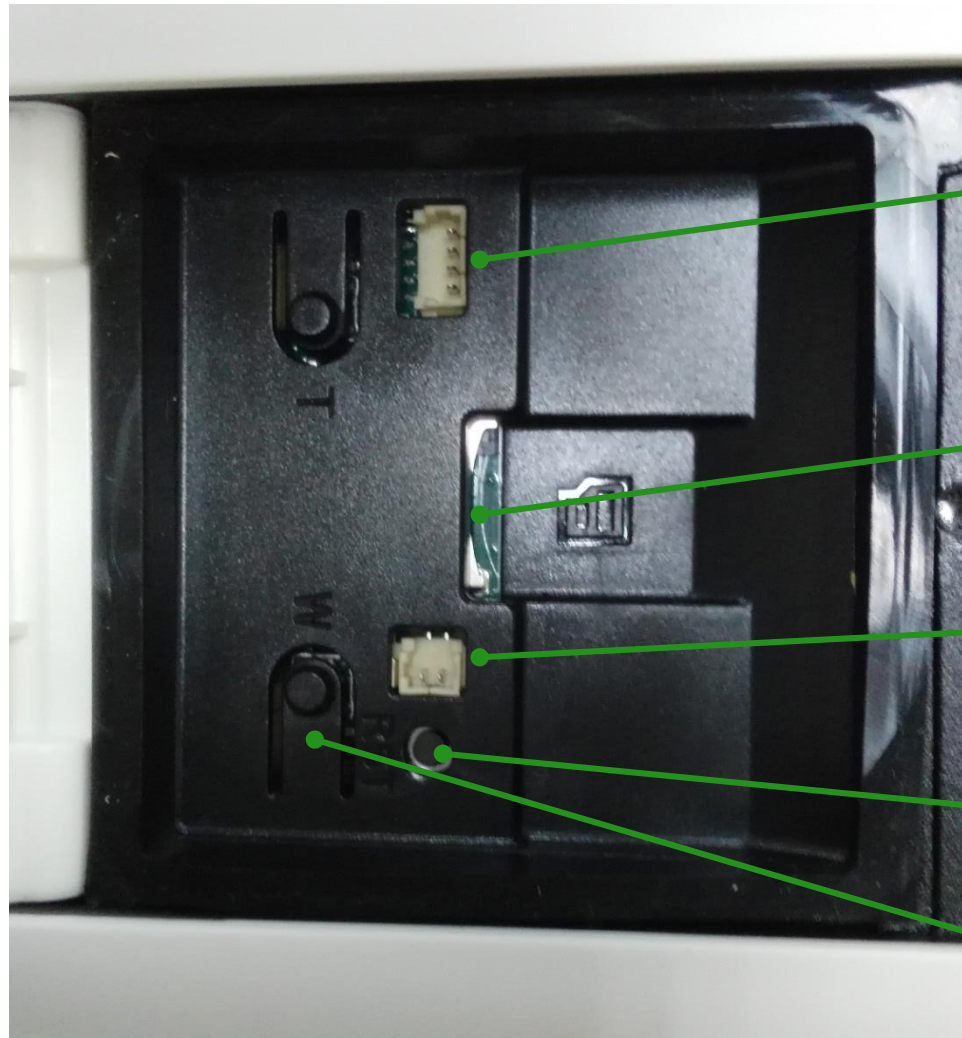
- Four matrix leds cover IR distance 50 meters;
- Aluminum PCB, make better heat dissipation



3 Axis Bracket



One screw locked design, easier than "C" case



Serial port, easy for
maintain

Micro SD card slot

Video output connector,
helpful for installation

Reset

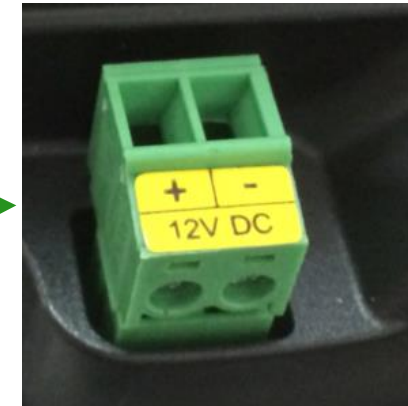
Easy focus button, adjust
the lens manually.



New IR Dome



Light sensor



DC12V power



Serial port
for maintain

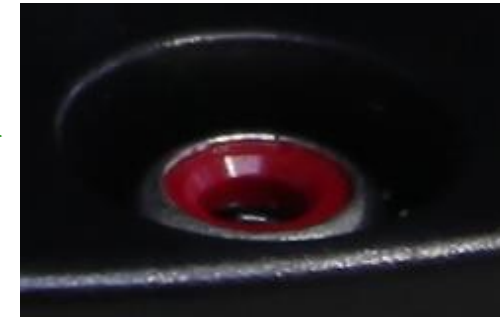


Audio & Alarm
ports

New IR Dome



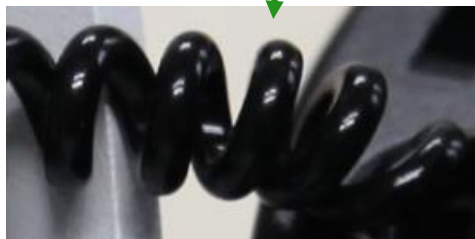
Easy focus button, adjust the lens manually.



Video output connector



Reset



Safety spring, keep safe when install

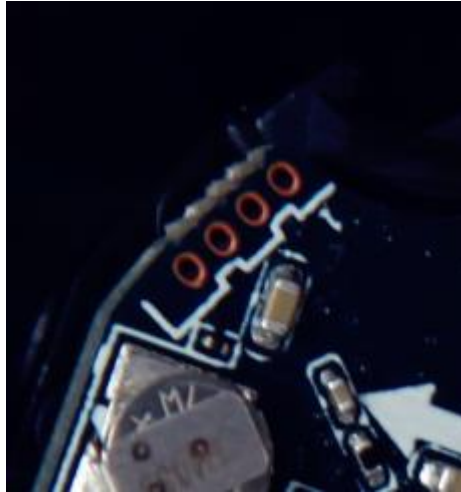
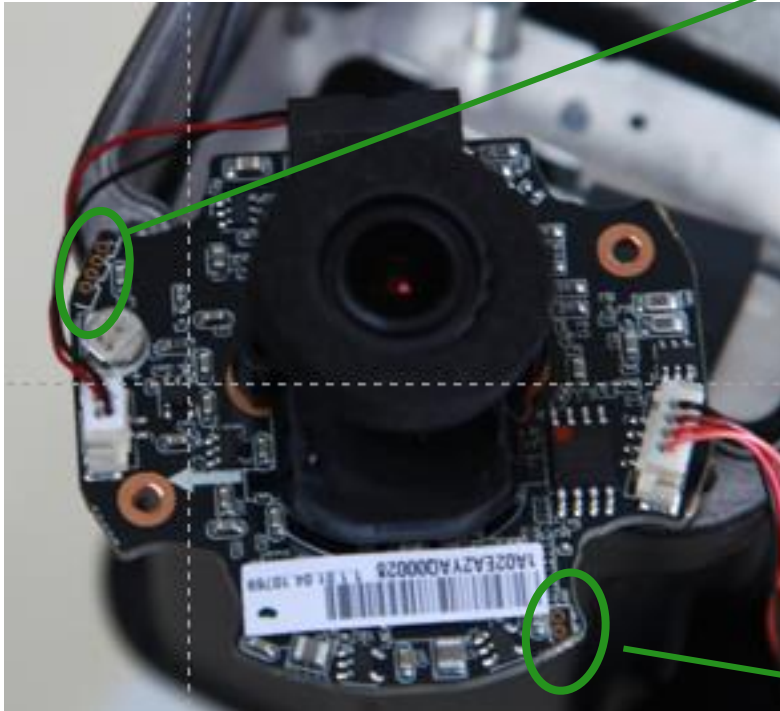


Micro SD card slot

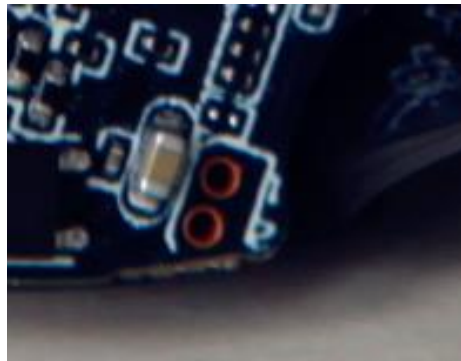
New Small IR Bullet



New Small IR Bullet

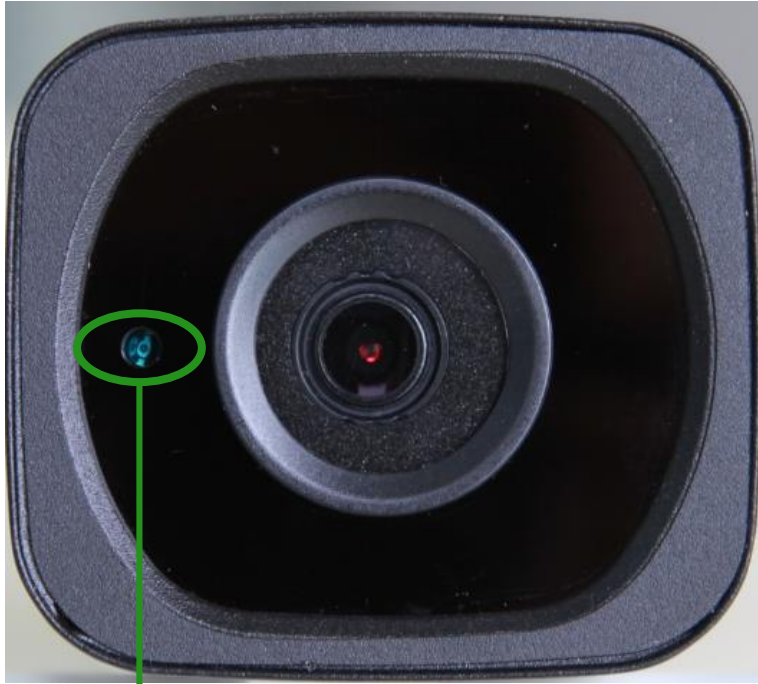


Serial port
for maintain



Reset

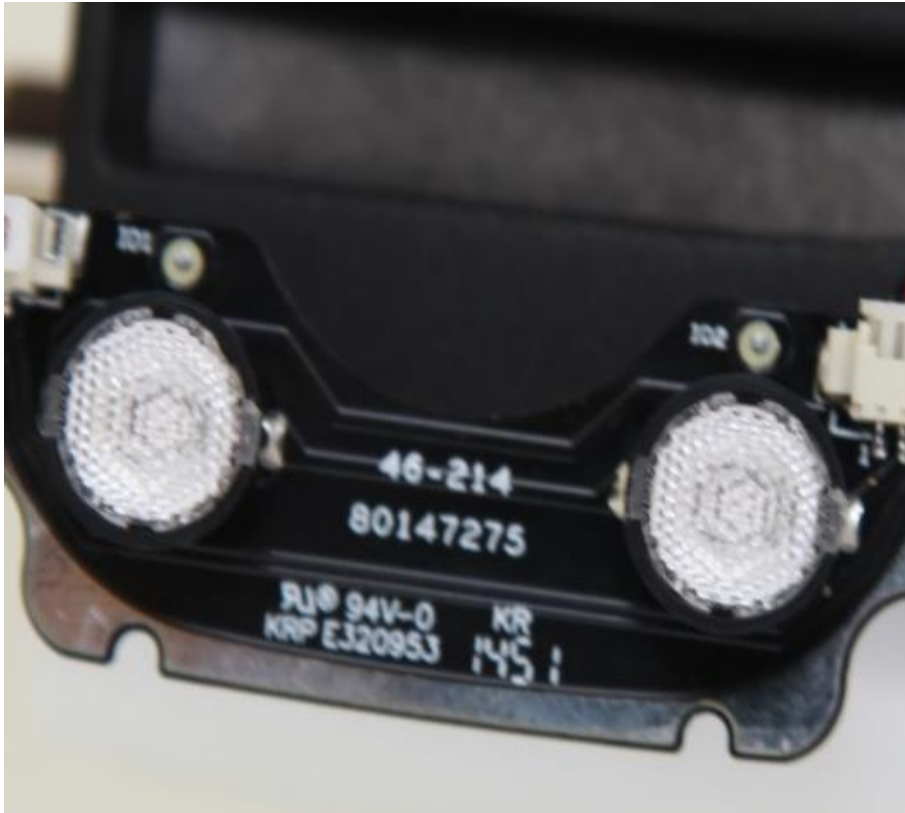
New Small IR Bullet



Light sensor



New bracket



2 IR Matrix LED
of "E" bullet



IR circle LED of
"S" bullet

3-axis “E” IR Dome

3-axis:
All dome shape cameras of
Eco-savvy 2.0 are 3-axis design.



Eco-savvy 1.0



Plastic cover



Eco-savvy 2.0



Metal cover

New IR Wedge Dome



New IR Wedge Dome



Micro SD
Card slot



Reset



3-axis
adjustment

Various PTZ Dome



SD63220/230T-HN



SD6C220/230T-HN



SD50220/230T-HN



SD52C220/230T-HN



SD59220/230T-HN



SD40220/230T-HN



SD42220/230T-HN



SD42C220/230T-HN

Various NVR



NVR4XXX series

Various Accessories



PFA123



PFB200W



S1000-8P PoE Switch

Eco-savvy 2.0, a new revolution!

- More powerful chipset & green technology
- Better image
- More efficient encode
- Intelligence features support
- New design shape and structure

Application



Hotel



Factory



School



Retail Store



SOHO



Supermarket



THANK YOU!

www.dahuasecurity.com