



**Headquarter :**

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## Who we are

TSVISION, founded in 2007 in HANGZHOU, is a **security camera manufacturer** of intelligent Surveillance products. Focus on research and development of high speed IR camera systems For nearly 15 years. TSVISION is a now a leading CCTV Company that has customers in 110 countries worldwide in a wide range of security industry.

## What we do

TSVISION specializes in R&D and manufacturing of **professional-grade speed dome & PTZ Camera systems** and IP cameras. Our products can working below -50 that provide supreme video quality and video analytics for professional users.

TSVISION has regional partners in Korea, the USA, Czech Republic, France, and Brazil. These partners provide sales, technical support, specs consultation and services.

## How we support

TSVISION, has a great experience for support our clients. No matter is the pre-sales service, or after-sales service, we will set up a one-on-one special service team for each customer. For solved all customer's doubts, we will supply a technician , a commercial personnel, a after-sales personnel. For maintain 24 hours online for customer service

## 15+ invention patents

Include the outside of appearance and internal structure patents, indoor, outdoor and vandal-proof housing for protect the zoom module camera. Night vision and auto detection,,etc.

## Certifications and Location honors

Goes through a strict inspection process in order to pass CE, FCC, and ROHS certification. ISO9001, TOP 100 security company, TOP 100 Honest Brands,,etc.

## Exclusive Customization

One of our specialties is exclusive customization, the process of tailoring a product or service specifically to the needs and preferences of an individual customer or a small group of customers. With exclusive customization, customers have more control over the design, features, and functionality of the product or service.

# Products in Certificates



## 13 Inch Best Enterprise Series IR PTZ camera



| Model                                    | TS-809HY-220BE   | TS-809HY-233BE            | TS-809YS-522BE           | TS-809YS-533BE           | TS-809SH-840BE            | TS-809HY-852BE            |
|--|--|---------------------------|--------------------------|--------------------------|---------------------------|---------------------------|
| <b>Pixels</b>                            | 1080P  | 1080P                     | 5.0MP                    | 5.0MP                    | 4K                        | 4K                        |
| <b>Image sensor</b>                      | 1 / 2.8" CMOS  | 1 / 2.8" CMOS             | 1 / 2.8" CMOS            | 1 / 2.8" CMOS            | 1 / 1.8" CMOS             | 1 / 1.8" CMOS             |
| <b>Zoom</b>                              | 20X  | 33X                       | 22X                      | 33X                      | 40X                       | 52X                       |
| <b>Focal Length</b>                      | 5.5 – 110mm  | 4.8 – 158mm               | 5.2 – 114.4mm            | 4.5 – 148.5mm            | 6.4 – 256mm               | 6.1 – 317mm               |
| <b>Max. Resolution</b>                   | 1920*1080, @30fps  | 1920*1080, @30fps         | 2880*1620, @30fps        | 2592*1944, @30fps        | 3840*2160, @30fps         | 3840*2160, @30fps         |
| <b>Min. Illumination</b>                 | C:0.001Lux, B/W:0.0005Lux  | C:0.001Lux, B/W:0.0005Lux | C:0.003Lux, B/W:0.001Lux | C:0.003Lux, B/W:0.001Lux | C:0.001Lux, B/W:0.0005Lux | C:0.001Lux, B/W:0.0005Lux |
| <b>Image Optimization</b>                | Digital Defog, WDR, BLC, 3D noise reduction, Regional Exposure   |                           |                          |                          |                           |                           |
| <b>Optional Smart Features</b>           | A : intrusion detection, line crossing detection, region entrance or exiting detection, object removal detection, Auto Tracking<br>B : Face Capture, Extract the target attributes S : Structured, Extract target attributes, support helmet detection F : Support "Fire" "Smeech" detection |                           |                          |                          |                           |                           |
| <b>Supplement Light Range</b>            | IR Distance : Up to 150m (492 ft) IR range   |                           |                          |                          |                           |                           |
| <b>Movement Range ( Pan &amp; Tilt )</b> | 0° ~ 360° continuously -10° ~ 90° (auto flip)  |                           |                          |                          |                           |                           |
| <b>Speed</b>                             | Pan & Tilt speed: configurable from 0.1° to 240°/s; preset speed: 240°/s   |                           |                          |                          |                           |                           |
| <b>Presets</b>                           | 256  |                           |                          |                          |                           |                           |
| <b>Video compression</b>                 | H.265, H.264, MPEG   |                           |                          |                          |                           |                           |
| <b>Image Enhancement</b>                 | 3D DNR, BLC, HLC   |                           |                          |                          |                           |                           |
| <b>PTZ Function</b>                      | 4pcs patrol scan , 1pcs R/L Scan , 1pcs Horizontal scan , Watch Position & Power Up Act  |                           |                          |                          |                           |                           |
| <b>Optional function</b>                 | Alarm In & Out , Audio In & Out  |                           |                          |                          |                           |                           |
| <b>POE Funtion</b>                       | DC48V DC12V4A/POE Power supply   |                           |                          |                          |                           |                           |
| <b>Dimension</b>                         | Ø 237 mm × 335 mm (Ø 9.33" × 13.97")   |                           |                          |                          |                           |                           |
| <b>Warranty</b>                          | 30 months warranty, lifetime maintenance   |                           |                          |                          |                           |                           |

All products can reached on " ONVIF " requirement, 4G / WIFE, POE, Solar battery panel can be chosen.

Weight of Package : 6.5Kg Dimension of Package : 30cm \* 30cm \* 60cm

# 13 Inch Best Enterprise Series IR PTZ camera



| Model                                    | TS-703HY-220BE   | TS-703HY-233BE            | TS-703YS-522BE           | TS-703YS-533BE           | TS-703SH-840BE            | TS-703HY-852BE            |
|--|--|---------------------------|--------------------------|--------------------------|---------------------------|---------------------------|
| <b>Pixels</b>                            | 1080P  | 1080P                     | 5.0MP                    | 5.0MP                    | 4K                        | 4K                        |
| <b>Image sensor</b>                      | 1 / 2.8" CMOS  | 1 / 2.8" CMOS             | 1 / 2.8" CMOS            | 1 / 2.8" CMOS            | 1 / 1.8" CMOS             | 1 / 1.8" CMOS             |
| <b>Zoom</b>                              | 20X  | 33X                       | 22X                      | 33X                      | 40X                       | 52X                       |
| <b>Focal Length</b>                      | 5.5 – 110mm  | 4.8 – 158mm               | 5.2 – 114.4mm            | 4.5 – 148.5mm            | 6.4 – 256mm               | 6.1 – 317mm               |
| <b>Max. Resolution</b>                   | 1920*1080, @30fps  | 1920*1080, @30fps         | 2880*1620, @30fps        | 2592*1944, @30fps        | 3840*2160, @30fps         | 3840*2160, @30fps         |
| <b>Min. Illumination</b>                 | C:0.001Lux, B/W:0.0005Lux  | C:0.001Lux, B/W:0.0005Lux | C:0.003Lux, B/W:0.001Lux | C:0.003Lux, B/W:0.001Lux | C:0.001Lux, B/W:0.0005Lux | C:0.001Lux, B/W:0.0005Lux |
| <b>Image Optimization</b>                | Digital Defog, WDR, BLC, 3D noise reduction, Regional Exposure   |                           |                          |                          |                           |                           |
| <b>Optional Smart Features</b>           | A : intrusion detection, line crossing detection, region entrance or exiting detection, object removal detection, Auto Tracking<br>B : Face Capture, Extract the target attributes    S : Structured, Extract target attributes, support helmet detection    F : Support "Fire" "Smeech" detection |                           |                          |                          |                           |                           |
| <b>Supplement Light Range</b>            | IR Distance: Up to 150m (492 ft) IR range  |                           |                          |                          |                           |                           |
| <b>Movement Range ( Pan &amp; Tilt )</b> | 0° ~ 360° continuously -10° ~ 90° (auto flip)  |                           |                          |                          |                           |                           |
| <b>Speed</b>                             | Pan & Tilt speed: configurable from 0.1° to 240°/s; preset speed: 240°/s   |                           |                          |                          |                           |                           |
| <b>Presets</b>                           | 256  |                           |                          |                          |                           |                           |
| <b>Video compression</b>                 | H.265, H.264, MPEG   |                           |                          |                          |                           |                           |
| <b>Image Enhancement</b>                 | 3D DNR, BLC, HLC   |                           |                          |                          |                           |                           |
| <b>PTZ Function</b>                      | 4pcs patrol scan , 1pcs R/L Scan , 1pcs Horizontal scan , Watch Position & Power Up Act  |                           |                          |                          |                           |                           |
| <b>Optional function</b>                 | Alarm In & Out , Audio In & Out  |                           |                          |                          |                           |                           |
| <b>POE Funtion</b>                       | DC48V DC12V4A/POE Power supply   |                           |                          |                          |                           |                           |
| <b>Dimension</b>                         | Ø 232 mm × 344 mm (Ø 9.13" × 13.54")   |                           |                          |                          |                           |                           |
| <b>Warranty</b>                          | 30 months warranty, lifetime maintenance   |                           |                          |                          |                           |                           |

All products can reached on " ONVIF " requirement, 4G / WIFE, POE, Solar battery panel can be chosen.

Weight of Package : 6.5Kg    Dimension of Package : 30cm \* 30cm \* 60cm

# 13 Inch Best Enterprise Series IR PTZ camera



|  | TS-805HY-220BE   | TS-805HY-233BE            | TS-805YS-522BE           | TS-805YS-533BE           | TS-805SH-840BE            | TS-805HY-852BE            |
|--|--|---------------------------|--------------------------|--------------------------|---------------------------|---------------------------|
| <b>Pixels</b>                            | 1080P  | 1080P                     | 5.0MP                    | 5.0MP                    | 4K                        | 4K                        |
| <b>Image sensor</b>                      | 1 / 2.8" CMOS  | 1 / 2.8" CMOS             | 1 / 2.8" CMOS            | 1 / 2.8" CMOS            | 1 / 1.8" CMOS             | 1 / 1.8" CMOS             |
| <b>Zoom</b>                              | 20X  | 33X                       | 22X                      | 33X                      | 40X                       | 52X                       |
| <b>Focal Length</b>                      | 5.5 – 110mm  | 4.8 – 158mm               | 5.2 – 114.4mm            | 4.5 – 148.5mm            | 6.4 – 256mm               | 6.1 – 317mm               |
| <b>Max. Resolution</b>                   | 1920*1080, @30fps  | 1920*1080, @30fps         | 2880*1620, @30fps        | 2592*1944, @30fps        | 3840*2160, @30fps         | 3840*2160, @30fps         |
| <b>Min. Illumination</b>                 | C:0.001Lux, B/W:0.0005Lux  | C:0.001Lux, B/W:0.0005Lux | C:0.003Lux, B/W:0.001Lux | C:0.003Lux, B/W:0.001Lux | C:0.001Lux, B/W:0.0005Lux | C:0.001Lux, B/W:0.0005Lux |
| <b>Image Optimization</b>                | Digital Defog, WDR, BLC, 3D noise reduction, Regional Exposure   |                           |                          |                          |                           |                           |
| <b>Optional Smart Features</b>           | A : intrusion detection, line crossing detection, region entrance or exiting detection, object removal detection, Auto Tracking<br>B : Face Capture, Extract the target attributes S : Structured, Extract target attributes, support helmet detection F : Support "Fire" "Smeech" detection |                           |                          |                          |                           |                           |
| <b>Supplement Light Range</b>            | IR Distance : Up to 150m (492 ft) IR range   |                           |                          |                          |                           |                           |
| <b>Movement Range ( Pan &amp; Tilt )</b> | 0° ~ 360° continuously -10° ~ 90° (auto flip)  |                           |                          |                          |                           |                           |
| <b>Speed</b>                             | Pan & Tilt speed: configurable from 0.1° to 240°/s; preset speed: 240°/s   |                           |                          |                          |                           |                           |
| <b>Presets</b>                           | 256  |                           |                          |                          |                           |                           |
| <b>Video compression</b>                 | H.265, H.264, MPEG   |                           |                          |                          |                           |                           |
| <b>Image Enhancement</b>                 | 3D DNR, BLC, HLC   |                           |                          |                          |                           |                           |
| <b>PTZ Function</b>                      | 4pcs patrol scan , 1pcs R/L Scan , 1pcs Horizontal scan , Watch Position & Power Up Act  |                           |                          |                          |                           |                           |
| <b>Optional function</b>                 | Alarm In & Out , Audio In & Out  |                           |                          |                          |                           |                           |
| <b>POE Funtion</b>                       | DC48V DC12V4A/POE Power supply   |                           |                          |                          |                           |                           |
| <b>Dimension</b>                         | Ø 236 mm × 337mm ( Ø 9.29" × 13.27" )  |                           |                          |                          |                           |                           |
| <b>Warranty</b>                          | 30 months warranty, lifetime maintenance   |                           |                          |                          |                           |                           |

All products can reached on " ONVIF " requirement, 4G / WIFE, POE, Solar battery panel can be chosen.

Weight of Package : 6.5Kg Dimension of Package : 30cm \* 30cm \* 60cm



# 12 Inch Best Enterprise Series IR PTZ camera



| Model                                    | TS-601HY-220BE   | TS-601HY-233BE            | TS-601YS-522BE           | TS-601YS-533BE           | TS-601SH-840BE            | TS-601HY-852BE            |
|--|--|---------------------------|--------------------------|--------------------------|---------------------------|---------------------------|
| <b>Pixels</b>                            | 1080P  | 1080P                     | 5.0MP                    | 5.0MP                    | 4K                        | 4K                        |
| <b>Image sensor</b>                      | 1 / 2.8" CMOS  | 1 / 2.8" CMOS             | 1 / 2.8" CMOS            | 1 / 2.8" CMOS            | 1 / 1.8" CMOS             | 1 / 1.8" CMOS             |
| <b>Zoom</b>                              | 20X  | 33X                       | 22X                      | 33X                      | 40X                       | 52X                       |
| <b>Focal Length</b>                      | 5.5 – 110mm  | 4.8 – 158mm               | 5.2 – 114.4mm            | 4.5 – 148.5mm            | 6.4 – 256mm               | 6.1 – 317mm               |
| <b>Max. Resolution</b>                   | 1920*1080, @30fps  | 1920*1080, @30fps         | 2880*1620, @30fps        | 2592*1944, @30fps        | 3840*2160, @30fps         | 3840*2160, @30fps         |
| <b>Min. Illumination</b>                 | C:0.001Lux, B/W:0.0005Lux  | C:0.001Lux, B/W:0.0005Lux | C:0.003Lux, B/W:0.001Lux | C:0.003Lux, B/W:0.001Lux | C:0.001Lux, B/W:0.0005Lux | C:0.001Lux, B/W:0.0005Lux |
| <b>Image Optimization</b>                | Digital Defog, WDR, BLC, 3D noise reduction, Regional Exposure   |                           |                          |                          |                           |                           |
| <b>Optional Smart Features</b>           | A: intrusion detection, line crossing detection, region entrance or exiting detection, object removal detection, Auto Tracking<br>B: Face Capture, Extract the target attributes S: Structured, Extract target attributes, support helmet detection F: Support "Fire" "Smeech" detection |                           |                          |                          |                           |                           |
| <b>Supplement Light Range</b>            | IR Distance : Up to 150m (492 ft) IR range   |                           |                          |                          |                           |                           |
| <b>Movement Range ( Pan &amp; Tilt )</b> | 0° ~ 360° continuously -10° ~ 90° (auto flip)  |                           |                          |                          |                           |                           |
| <b>Speed</b>                             | Pan & Tilt speed: configurable from 0.1° to 240°/s; preset speed: 240°/s   |                           |                          |                          |                           |                           |
| <b>Presets</b>                           | 256  |                           |                          |                          |                           |                           |
| <b>Video compression</b>                 | H.265, H.264, MPEG   |                           |                          |                          |                           |                           |
| <b>Image Enhancement</b>                 | 3D DNR, BLC, HLC   |                           |                          |                          |                           |                           |
| <b>PTZ Function</b>                      | 4pcs patrol scan, 1pcs R/L Scan, 1pcs Horizontal scan, Watch Position & Power Up Act   |                           |                          |                          |                           |                           |
| <b>Optional function</b>                 | Alarm In & Out, Audio In & Out   |                           |                          |                          |                           |                           |
| <b>POE Function</b>                      | DC48V DC12V4A/POE Power supply   |                           |                          |                          |                           |                           |
| <b>Dimension</b>                         | Ø 218 mm × 320 mm (Ø 8.58" × 12.60")   |                           |                          |                          |                           |                           |
| <b>Warranty</b>                          | 30 months warranty, lifetime maintenance   |                           |                          |                          |                           |                           |

All products can be reached on "ONVIF" requirement, 4G / WIFE, POE, Solar battery panel can be chosen.

Weight of Package : 6.5Kg Dimension of Package : 30cm \* 30cm \* 60cm

# 9 Inch Best Enterprise Series IR PTZ camera



|  |  |                 |
|--|--|-----------------|
| <b>Model</b>                             | TS-501AJ-220BE   | TS-501AJ-520BE  |
| <b>Pixels</b>                            | 1080P  | 5.0 Mega pixels |
| <b>Image sensor</b>                      | <b>1/2.8" CMOS SONY CMOS</b>   |                 |
| <b>Zoom</b>                              | 20X Optical Zoom, (F1.6 to F2.7)   |                 |
| <b>Focal Length</b>                      | 4.7-94mm   |                 |
| <b>Max. Resolution</b>                   | 2560(H)x2048(V)  |                 |
| <b>Min. Illumination</b>                 | Color: 0.01Lux, B/W: 0.001Lux, 0 Lux with IR <b>Starlight super low illumination</b>                               |                 |
| <b>Image Optimization</b>                | WDR, BLC, 3D noise reduction, Regional Exposure  |                 |
| <b>Optional Smart Features</b>           | Humanoid recognition intrusion detection, support presets position guards and cruise guard. Auto Tracking Function |                 |
| <b>Supplement Light Range</b>            | IR Distance : Up to 150m (492 ft) IR range   |                 |
| <b>Movement Range ( Pan &amp; Tilt )</b> | 0° ~ 360°continuously -10° ~ 90° (auto flip)   |                 |
| <b>Speed</b>                             | Pan & Tilt speed: configurable from 0.1° to 240°/s; preset speed: 240°/s   |                 |
| <b>Presets</b>                           | 256  |                 |
| <b>Video compression</b>                 | H.265, H.264, MPEG   |                 |
| <b>Image Enhancement</b>                 | 3D DNR, BLC, HLC   |                 |
| <b>PTZ Function</b>                      | 4pcs patrol scan , 1pcs R/L Scan , 1pcs Horizontal scan , Watch Position & Power Up Act                            |                 |
| <b>Optional function</b>                 | Alarm In & Out , Audio In & Out  |                 |
| <b>POE Funtion</b>                       | DC48V DC12V4A / POE Power supply   |                 |
| <b>Dimension</b>                         | Ø 120 mm × 242 mm (Ø 4.72" × 9.53")  |                 |
| <b>Warranty</b>                          | 30 months warranty, lifetime maintenance   |                 |

All products can reached on " ONVIF " requirement, 4G / WIFE, POE, Solar battery panel can be chosen.

Weight of Package : 6.5Kg Dimension of Package : 30cm \* 30cm \* 60cm





# 14 Inch value Series IR PTZ camera



| Model                                    | TS-806HY-220CG   | TS-806HY-233CG            | TS-806YS-522CG           | TS-806YS-533CG           | TS-806SH-840CG            | TS-806HY-852CG            |
|--|--|---------------------------|--------------------------|--------------------------|---------------------------|---------------------------|
| <b>Pixels</b>                            | 1080P  | 1080P                     | 5.0MP                    | 5.0MP                    | 4K                        | 4K                        |
| <b>Image sensor</b>                      | 1 / 2.8" CMOS  | 1 / 2.8" CMOS             | 1 / 2.8" CMOS            | 1 / 2.8" CMOS            | 1 / 1.8" CMOS             | 1 / 1.8" CMOS             |
| <b>Zoom</b>                              | 20X  | 33X                       | 22X                      | 33X                      | 40X                       | 52X                       |
| <b>Focal Length</b>                      | 5.5 – 110mm  | 4.8 – 158mm               | 5.2 – 114.4mm            | 4.5 – 148.5mm            | 6.4 – 256mm               | 6.1 – 317mm               |
| <b>Max. Resolution</b>                   | 1920*1080, @30fps  | 1920*1080, @30fps         | 2880*1620, @30fps        | 2592*1944, @30fps        | 3840*2160, @30fps         | 3840*2160, @30fps         |
| <b>Min. Illumination</b>                 | C:0.001Lux, B/W:0.0005Lux  | C:0.001Lux, B/W:0.0005Lux | C:0.003Lux, B/W:0.001Lux | C:0.003Lux, B/W:0.001Lux | C:0.001Lux, B/W:0.0005Lux | C:0.001Lux, B/W:0.0005Lux |
| <b>Image Optimization</b>                | Digital Defog, WDR, BLC, 3D noise reduction, Regional Exposure   |                           |                          |                          |                           |                           |
| <b>Optional Smart Features</b>           | A : intrusion detection, line crossing detection, region entrance or exiting detection, object removal detection, Auto Tracking<br>B : Face Capture, Extract the target attributes S : Structured, Extract target attributes, support helmet detection F : Support "Fire" "Smeech" detection |                           |                          |                          |                           |                           |
| <b>Supplement Light Range</b>            | IR Distance: Up to 150m (492 ft) IR range  |                           |                          |                          |                           |                           |
| <b>Movement Range ( Pan &amp; Tilt )</b> | 0° ~ 360° continuously -10° ~ 90° (auto flip)  |                           |                          |                          |                           |                           |
| <b>Speed</b>                             | Pan & Tilt speed: configurable from 0.1° to 240°/s; preset speed: 240°/s   |                           |                          |                          |                           |                           |
| <b>Presets</b>                           | 256  |                           |                          |                          |                           |                           |
| <b>Video compression</b>                 | H.265, H.264, MPEG   |                           |                          |                          |                           |                           |
| <b>Image Enhancement</b>                 | 3D DNR, BLC, HLC   |                           |                          |                          |                           |                           |
| <b>PTZ Function</b>                      | 4pcs patrol scan , 1pcs R/L Scan , 1pcs Horizontal scan , Watch Position & Power Up Act  |                           |                          |                          |                           |                           |
| <b>Optional function</b>                 | Alarm In & Out , Audio In & Out  |                           |                          |                          |                           |                           |
| <b>POE Funtion</b>                       | DC48V DC12V4A/POE Power supply   |                           |                          |                          |                           |                           |
| <b>Dimension</b>                         | Ø 226 mm × 362 mm (Ø 8.89" × 14.25")   |                           |                          |                          |                           |                           |
| <b>Warranty</b>                          | 30 months warranty, lifetime maintenance   |                           |                          |                          |                           |                           |

All products can reached on " ONVIF " requirement, 4G / WIFE, POE, Solar battery panel can be chosen.

Weight of Package : 6.5Kg Dimension of Package : 30cm \* 30cm \* 60cm

## 14 Inch value Series IR PTZ camera ( Consumer Grade )



|  |  |
|--|--|
| <b>Model</b>                             | TS-903AJ-318CG/4G  |
| <b>Pixels</b>                            | 3.0 Mega pixels  |
| <b>Image sensor</b>                      | 1/2.9" CMOS  |
| <b>Zoom</b>                              | 18X Optical Zoom, (F1.6 to F3.5)   |
| <b>Focal Length</b>                      | 4.7-84.6mm   |
| <b>Max. Resolution</b>                   | 2304(H)x1296(V)  |
| <b>Min. Illumination</b>                 | Color: 0.05Lux, B/W: 0.01Lux F1.6, 0 Lux with IR   |
| <b>Network switching</b>                 | Realizing <b>4G</b> and cable network switching, and compatible with 3G network.   |
| <b>Alarm Linkage</b>                     | Supporting humanoid recognition for linked audio and visual alarms and tracking, choose the restricted area at your discretion |
| <b>Special Function</b>                  | Support bi-spectrum alarm, audio alarm, humanoid detection, voice intercom, Support remote monitoring via PC and mobile APP    |
| <b>Supplement Light Range</b>            | IR Distance $\geq$ 120m ( 393ft )  |
| <b>Movement Range ( Pan &amp; Tilt )</b> | 0° ~ 360° continuously -10° ~ 90° (auto flip)  |
| <b>Speed</b>                             | Pan: 0.1° to 80°/s; Tilt: 0.1° to 80°/s  |
| <b>Presets</b>                           | 255  |
| <b>Video compression</b>                 | H.265, H.264   |
| <b>PTZ Function</b>                      | 4pcs patrol scan , 1pcs R/L Scan , 1pcs Horizontal scan , Watch Position & Power Up Act  |
| <b>Optional function</b>                 | Alarm In & Out , Audio In & Out  |
| <b>POE Funtion</b>                       | DC12V4A  |
| <b>Dimension</b>                         | Ø 218 mm × 362 mm (Ø8.58" × 14.25")  |
| <b>Warranty</b>                          | 18 months warranty, lifetime maintenance   |

All products can reached on " ONVIF " requirement, 4G / WIFE, POE, Solar battery panel can be chosen.

Weight of Package : 7.0Kg Dimension of Package : 30cm \* 30cm \* 60cm

# 14 Inch value Series IR PTZ camera ( Consumer Grade )



| Model                                    | TS-705AJ-318CG/WF  | TS-705AJ-318CG/IP     | TS-705AJ-318CG/4G                               |
|--|--|-----------------------|---|
| <b>Pixels</b>                            | 3.0 Mega pixels  |                       |   |
| <b>Image sensor</b>                      | 1/2.9" CMOS  |                       |   |
| <b>Zoom</b>                              | 18X Optical Zoom, (F1.6 to F3.5)   |                       |   |
| <b>Focal Length</b>                      | 4.7-84.6mm   |                       |   |
| <b>Max. Resolution</b>                   | 2304(H)x1296(V)  |                       |   |
| <b>Min. Illumination</b>                 | Color: 0.05Lux, B/W: 0.01Lux F1.6, 0 Lux with IR   |                       |   |
| <b>Network switching</b>                 | Realizing <b>Wi-Fi</b> and cable network switching   | Support Cable network | Realizing <b>4G</b> and cable network switching |
| <b>Alarm Linkage</b>                     | Supporting humanoid recognition for linked audio and visual alarms and tracking, choose the restricted area at your discretion |                       |   |
| <b>Special Function</b>                  | Support bi-spectrum alarm, audio alarm, humanoid detection, voice intercom, Support remote monitoring via PC and mobile APP    |                       |   |
| <b>Supplement Light Range</b>            | IR Distance $\geq$ 100m ( 328ft )  |                       |   |
| <b>Movement Range ( Pan &amp; Tilt )</b> | 0° ~ 360°continuously -10° ~ 90° (auto flip)   |                       |   |
| <b>Speed</b>                             | Pan: 0.1° to 80°/s; Tilt: 0.1° to 80°/s  |                       |   |
| <b>Presets</b>                           | 255  |                       |   |
| <b>Video compression</b>                 | H.265, H.264   |                       |   |
| <b>PTZ Function</b>                      | 4pcs patrol scan , 1pcs R/L Scan , 1pcs Horizontal scan , Watch Position & Power Up Act  |                       |   |
| <b>Optional function</b>                 | Alarm In & Out , Audio In & Out  |                       |   |
| <b>POE Funtion</b>                       | DC12V4A / POE  |                       |   |
| <b>Dimension</b>                         | $\varnothing$ 185 mm $\times$ 287 mm ( $\varnothing$ 7.28" $\times$ 11.30")  |                       |   |
| <b>Warranty</b>                          | 18 months warranty, lifetime maintenance   |                       |   |

All products can reached on " ONVIF " requirement, 4G / WIFE, POE , Solar battery panel can be chosen.

Weight of Package : 4.5Kg Dimension of Package : 30cm \* 30cm \* 60cm

## 9 Inch value Series IR PTZ camera ( Consumer Grade )



| Model                                    | TS-502AJ-318CG/WF  | TS-502AJ-318CG/IP     | TS-502AJ-318CG/4G                               |
|--|--|-----------------------|---|
| <b>Pixels</b>                            | 3.0 Mega pixels  |                       |   |
| <b>Image sensor</b>                      | 1/2.9" CMOS  |                       |   |
| <b>Zoom</b>                              | 18X Optical Zoom, (F1.6 to F3.5)   |                       |   |
| <b>Focal Length</b>                      | 4.7-84.6mm   |                       |   |
| <b>Max. Resolution</b>                   | 2304(H)x1296(V)  |                       |   |
| <b>Min. Illumination</b>                 | 0.01Lux F1.6, 0 Lux with IR  |                       |   |
| <b>Network switching</b>                 | Realizing <b>Wi-Fi</b> and cable network switching   | Support Cable network | Realizing <b>4G</b> and cable network switching |
| <b>Alarm Linkage</b>                     | Supporting humanoid recognition for linked audio and visual alarms and tracking, choose the restricted area at your discretion |                       |   |
| <b>Special Function</b>                  | Support bi-spectrum alarm, audio alarm, humanoid detection, voice intercom, Support remote monitoring via PC and mobile APP    |                       |   |
| <b>Supplement Light Range</b>            | IR Distance $\geq$ 80m ( 262ft )   |                       |   |
| <b>Movement Range ( Pan &amp; Tilt )</b> | 0° ~ 360° continuously -10° ~ 90° (auto flip)  |                       |   |
| <b>Speed</b>                             | Pan: 0.1° to 80°/s; Tilt: 0.1° to 80°/s  |                       |   |
| <b>Presets</b>                           | 255  |                       |   |
| <b>Video compression</b>                 | H.265, H.264   |                       |   |
| <b>PTZ Function</b>                      | 4pcs patrol scan , 1pcs R/L Scan , 1pcs Horizontal scan , Watch Position & Power Up Act  |                       |   |
| <b>Optional function</b>                 | Alarm In & Out , Audio In & Out  |                       |   |
| <b>POE Funtion</b>                       | DC12V4A / POE  |                       |   |
| <b>Dimension</b>                         | $\varnothing$ 147 mm $\times$ 247 mm ( $\varnothing$ 5.79" $\times$ 9.72")   |                       |   |
| <b>Warranty</b>                          | 18 months warranty, lifetime maintenance   |                       |   |

All products can reached on " ONVIF " requirement, 4G / WIFE, POE, Solar battery panel can be chosen.

Weight of Package : 2.0Kg Dimension of Package : 30cm \* 30cm \* 60cm

## 9 Inch value Series IR PTZ camera ( Consumer Grade )

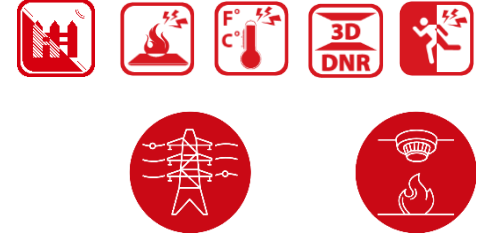


|  |  |
|--|--|
| <b>Model</b>                             | TS-405AJ-318CG   |
| <b>Pixels</b>                            | 3.0 Mega pixels  |
| <b>Image sensor</b>                      | <b>1/2.9" CMOS</b>   |
| <b>Zoom</b>                              | 18X Optical Zoom   |
| <b>Focal Length</b>                      | 4.7-84.6mm   |
| <b>Max. Resolution</b>                   | 2304(H)x1296(V)  |
| <b>Min. Illumination</b>                 | Color: 0.05Lux, B/W: 0.01Lux F1.6, 0 Lux with IR   |
| <b>Camera Function</b>                   | WDR, BLC, 3D noise reduction, Regional Exposure  |
| <b>Camera AI function</b>                | Humanoid recognition intrusion detection, support presets position guards and cruise guard. Auto Tracking Function |
| <b>Supplement Light Range</b>            | IR Distance : Up to 150m (492 ft) IR range   |
| <b>Movement Range ( Pan &amp; Tilt )</b> | 0° ~ 360° continuously -10° ~ 90° (auto flip)  |
| <b>Speed</b>                             | Pan & Tilt speed: configurable from 0.1° to 240°/s; preset speed: 240°/s   |
| <b>Presets</b>                           | 256  |
| <b>Video compression</b>                 | H.265, H.264, MPEG   |
| <b>Image Enhancement</b>                 | 3D DNR, BLC, HLC   |
| <b>PTZ Function</b>                      | 4pcs patrol scan , 1pcs R/L Scan , 1pcs Horizontal scan , Watch Position & Power Up Act                            |
| <b>Optional function</b>                 | Alarm In & Out , Audio In & Out  |
| <b>POE Funtion</b>                       | DC48V DC12V4A/POE Power supply   |
| <b>Dimension</b>                         | Ø 116 mm × 229 mm (Ø4.57" × 9.01")   |
| <b>Warranty</b>                          | 30 months warranty, lifetime maintenance   |

All products can reached on " ONVIF " requirement, 4G / WIFE, POE, Solar battery panel can be chosen.

Weight of Package : 6.5Kg Dimension of Package : 30cm \* 30cm \* 60cm

# 13.98 Inch Thermal and Optical Bi-spectrum Network Speed Dome



| LWIR Module                    |   |
|--------------------------------|---|
| Model                          |   |
| Detector                       | Uncooled Vox Microbolometer   |
| Pixel Pitch                    | 17um  |
| Array Size                     | 640(H)×512(V)   |
| Spectral Response              | 8~14um  |
| Lens                           | 25mm,F1.0,Athermalized  |
| Temperature Measurement Method | Real-time point temperature measurement, multiple preset temperature measurement, temperature alarm isotherm, color bar display, temperature correction, temperature measurement unit Fahrenheit, Celsius real-time temperature analysis, historical temperature information query, Preset point can set multiple functions |
| Visible Module                 |   |
| Pixels                         | 1080P   |
| Image sensor                   | 1 / 2" SONY CMOS  |
| Zoom                           | Optic : 35X Digital : 16X   |
| Focal Length                   | 6 – 210mm   |
| Max. Resolution                | 1920*1080, @25/30fps  |
| Min. Illumination              | C:0.001Lux @ F1.5, B/W:0.0001Lux @ F1.5   |
| Image Optimization             | Electronic-Defog, WDR, BLC, HLC, 2D/3D Noise Reduction, Electronical Image Stabilisation  |
| Optional IVS                   | Tripwire, Cross Fence Detection, Intrusion  |
| PTZ HOUSING                    |   |
| Rotation range                 | Horizontal: 0° ~ 360°Endless rotation Vertical: -10° ~ 90°  |
| Rotation speed                 | Horizontal0.1° ~ 200°/s;Vertical:0.1° ~ 200°/s  |



|                              |   |
|------------------------------|---|
| Preset                       | 255   |
| Automatic mode               | 4 groups cruiss/ A-B scan/360°Horizontalscan/Pattern scanning   |
| PTZ function                 | Park action/Power action/The rotation speed can be automatically adjusted according to the lens zoom factor |
| <b>Network</b>               |   |
| Video compression            | H.265/H.264/H.264H/MJPEG  |
| Network protocol             | ONVIF,GB28181,TCP/IP,UDP,HTTP,RTSP,RTP  |
| User Management              | Support multi-level user rights management  |
| Storage function             | Support TF card storage (up to 256G)  |
| <b>Input &amp; Output</b>    |   |
| Network interface            | 1* RJ45,Single IP   |
| Audio                        | 1* Input ,1*Output  |
| Alarm                        | 1* Input ,1*Output  |
| CVBS Output                  | 1.0V[p-p] / 75Ω, BNC  |
| RS485                        | 1 ,PELCO-D  |
| <b>General Specification</b> |   |
| Power                        | AC24V-3A  |
| Consumption                  | Day (Still) :6W; Day (Cruise) :9W; Night (Cruise + IR light On) :28W  |
| Mounting                     | Wall mounting or lifting  |
| work environment             | temperature : -20 ~ 60℃; humidity < 90%   |
| Protection level             | IP66 waterproof, TVS 6000V  |
| weight                       | 6.5kg   |
| Bracket                      | Wall mounting/ Lifting  |

All products can reached on “ ONVIF ” requirement, 4G / WIFE, POE, Solar battery panel can be chosen.

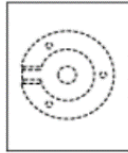
Weight of Package : 6.5Kg Dimension of Package : 30cm \* 30cm \* 60cm



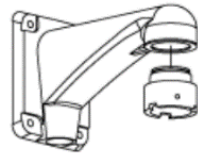
## Packing List :



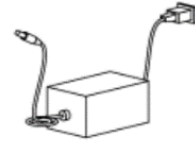
HD IRS  
Speed  
Dome



Bracket  
Installation  
Diagram



Wall  
Bracket



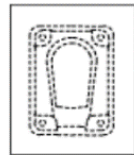
Power  
Adapter



Bracket  
Screws



L type  
Hexagon  
Wrenches



Bracket  
Installation  
Diagram

Remarks : The specification of module camera and the quantity of accessories has a little different base on the models.  
Please refer to your packaging for the specification as your reference

## Bracket :



Wall Mount Bracket



Ceiling Mount Bracket



Hoop & Bracket