Tsact

2MP AHD (Analog HD)

WORLD LEADER IN 2MP AHD SURVEILLANCE

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Tsact - **World Leader in AHD Surveillance**

We, TsAct Co., Ltd., were established in 2006 as one of the prospective company In South Korea that develop, manufacture & supply professional, various kinds of surveillance & CCTV cameras.

Our technologies are focused on HD & analog video security system, and home networking security as well.

Our products of best technologies attracted a great deal of attentions in the Worldwide market. We are going to devise new products, which customers want continuously, and try to offer them better products.

Currently, we are also making our best effort to develop competitive products, which can meet and satisfy the diverse customers' needs just on time and we are focusing on overseas market with the best-qualified products, customer service, and support.

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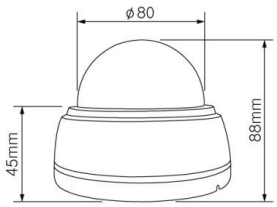
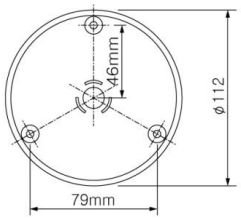
AHD 2.0
Indoor Dome Camera

- 2 Mp (1080p)
- 3.6mm Fixed Lens

TDM-AHD660





Product Image

Dimension

2MP CMOS | AEB AE | 2D-3D NR | Defog | Dead Pixel | Low Shutter | Graphic OSD | DWDR | Sens-up 30x

Model	TDM-AHD660
Image Sensor	2.0 Mpixel 1/2.8" High Sensitivity Sony CMOS Sensor
Total Pixels	2000(H) x 1241(V)
Effective Pixels	1984(H) x 1225(V)
Resolution	1920 x 1080
Video Out	AHD : 1080p & 720p / Analog : NTSC/PAL CVBS
S/N Ratio	More than 50dB
Min. Illumination	0.1Lux @F1.2 (Color mode), 0.01Lux @F1.2 (B/W)
Scan Mode	Progressive
Lens	3.6mm Fixed lens
OSD Control	Built-in
Shutter Speed	Auto / Manual [1/50(60)sec ~ 1/50,000sec], X30
Sens-up	OFF / X2 ~ X30
AGC	OFF / 0 ~ 15
D-WDR	OFF / 0 ~ 8
De-Fog	OFF / AUTO
Back Light	OFF / BLC / HSBLC
White Balance	ATW / AWC / INDOOR / OUTDOOR / MANUAL / AWB
Day & Night	AUTO / COLOR / BW / EXT
SMART IR	ON / OFF
2D-NR	HIGH / MIDDLE / LOW / OFF
3D-NR	HIGH / MIDDLE / LOW / OFF
Freeze	ON / OFF
Mirror	OFF / MIRROR / V-FLIP / ROTATE
Motion Detection	4 Zones
Privacy Mask	4 Zones
Sharpness	0 ~ 10 Steps
Multi Language	English / Russian / German / French / Italian / Spanish / Polish / Portuguese / Dutch / Turkish / Chinese 1, 2
Power Input	DC12V ±10%
Operation Temperature / Humidity	-40℃ ~ 85℃ / 30% ~ 80% RH
Storage Temperature / Humidity	-50℃ ~ 105℃ / 20% ~ 90% RH
Dimension	ø80(Ø)mm 111(W) x 90(H)mm
Weight	About 320g

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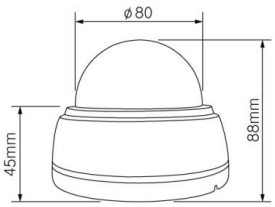
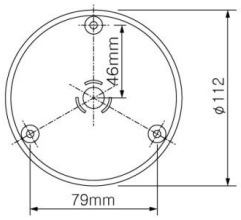
AHD 2.0
Indoor Dome Camera

- 2 Mp (1080p)
- 2.8mm ~12mm V.F. Lens

TDM-AHD660VF





Product Image

Dimension

2MP CMOS | AEB AE | 2D-3D NR | Defog | Dead Pixel | Low Shutter | Graphic OSD | DWDR | Sens-up 30x

Model	TDM-AHD660VF
Image Sensor	2.0 Mpixel 1/2.8" High Sensitivity Sony CMOS Sensor
Total Pixels	2000(H) x 1241(V)
Effective Pixels	1984(H) x 1225(V)
Resolution	1920 x 1080
Video Out	AHD : 1080p & 720p / Analog : NTSC/PAL CVBS
S/N Ratio	More than 50dB
Min. Illumination	0.1Lux @F1.2 (Color mode), 0.01Lux @F1.2 (B/W)
Scan Mode	Progressive
Lens	Manual Iris 2.8-12mm Vari-Focal lens (DC Auto. Iris Option)
OSD Control	Built-in
Shutter Speed	Auto / Manual [1/50(60)sec ~ 1/50,000sec], X30
Sens-up	OFF / X2 ~ X30
AGC	OFF / 0 ~ 15
D-WDR	OFF / 0 ~ 8
De-Fog	OFF / AUTO
Back Light	OFF / BLC / HSBLC
White Balance	ATW / AWC / INDOOR / OUTDOOR / MANUAL / AWB
Day & Night	AUTO / COLOR / BW / EXT
SMART IR	ON / OFF
2D-NR	HIGH / MIDDLE / LOW / OFF
3D-NR	HIGH / MIDDLE / LOW / OFF
Freeze	ON / OFF
Mirror	OFF / MIRROR / V-FLIP / ROTATE
Motion Detection	4 Zones
Privacy Mask	4 Zones
Sharpness	0 ~ 10 Steps
Multi Language	English / Russian / German / French / Italian / Spanish / Polish / Portuguese / Dutch / Turkish / Chinese 1, 2
Power Input	DC12V ±10%
Operation Temperature / Humidity	-40℃ ~ 85℃ / 30% ~ 80% RH
Storage Temperature / Humidity	-50℃ ~ 105℃ / 20% ~ 90% RH
Dimension	ø80(Ø)mm 111(W) x 90(H)mm
Weight	About 320g

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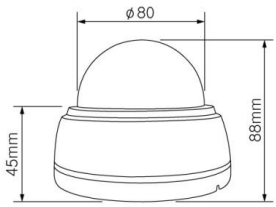
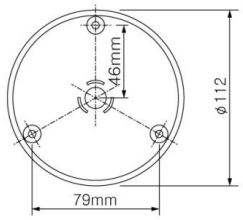
AHD 2.0
IR LED Indoor Dome Camera

- 2 Mp (1080p) • 24 IR LED
- 3.6mm Fixed Lens

TDIR-AHD960





Product Image

Dimension

2MP CMOS | AEB AE | 2D-3D NR | Defog | Dead Pixel | Low Shutter | Graphic OSD | DWDR | Sens-up 30x

Model	TDIR-AHD960
Image Sensor	2.0 Mpixel 1/2.8" High Sensitivity Sony CMOS Sensor
Total Pixels	2000(H) x 1241(V)
Effective Pixels	1984(H) x 1225(V)
Resolution	1920 x 1080
Video Out	AHD : 1080p & 720p / Analog : NTSC/PAL CVBS
S/N Ratio	More than 50dB
Min. Illumination	0.1Lux @F1.2 (Color mode), 0.01Lux @F1.2 (B/W)
Scan Mode	Progressive
Lens	3.6mm Fixed lens
IR LED	24 IR LED
OSD Control	Built-in
Shutter Speed	Auto / Manual [1/50(60)sec ~ 1/50,000sec], X30
Sens-up	OFF / X2 ~ X30
AGC	OFF / 0 ~ 15
D-WDR	OFF / 0 ~ 8
De-Fog	OFF / AUTO
Back Light	OFF / BLC / HSBLC
White Balance	ATW / AWC / INDOOR / OUTDOOR / MANUAL / AWB
Day & Night	AUTO / COLOR / BW / EXT
SMART IR	ON / OFF
2D-NR	HIGH / MIDDLE / LOW / OFF
3D-NR	HIGH / MIDDLE / LOW / OFF
Freeze	ON / OFF
Mirror	OFF / MIRROR / V-FLIP / ROTATE
Motion Detection	4 Zones
Privacy Mask	4 Zones
Sharpness	0 ~ 10 Steps
Multi Language	English / Russian / German / French / Italian / Spanish / Polish / Portuguese / Dutch / Turkish / Chinese 1, 2
Power Input	DC12V ±10%
Operation Temperature / Humidity	-40℃ ~ 85℃ / 30% ~ 80% RH
Storage Temperature / Humidity	-50℃ ~ 105℃ / 20% ~ 90% RH
Dimension	ø80(Ø)mm 111(W) x 90(H)mm
Weight	About 320g

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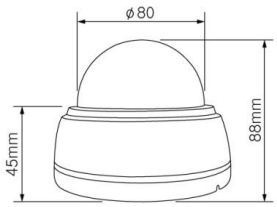
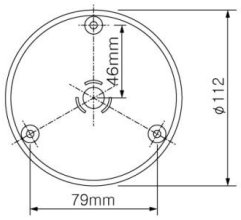
AHD 2.0
IR LED Indoor Dome Camera

- 2 Mp (1080p)
- 24 IR LED
- 2.8mm~12mm V.F. Lens

TDIR-AHD960VF





Product Image

Dimension

2MP CMOS | AEB AE | 2D-3D NR | Defog | Dead Pixel | Low Shutter | Graphic OSD | DWDR | Sens-up 30x

Model	TDIR-AHD960VF
Image Sensor	2.0 Mpixel 1/2.8" High Sensitivity Sony CMOS Sensor
Total Pixels	2000(H) x 1241(V)
Effective Pixels	1984(H) x 1225(V)
Resolution	1920 x 1080
Video Out	AHD : 1080p & 720p / Analog : NTSC/PAL CVBS
S/N Ratio	More than 50dB
Min. Illumination	0.1Lux @F1.2 (Color mode), 0.01Lux @F1.2 (B/W)
Scan Mode	Progressive
Lens	Manual Iris 2.8-12mm Vari-Focal lens (DC Auto. Iris Option)
IR LED	24 IR LED
OSD Control	Built-in
Shutter Speed	Auto / Manual [1/50(60)sec ~ 1/50,000sec], X30
Sens-up	OFF / X2 ~ X30
AGC	OFF / 0 ~ 15
D-WDR	OFF / 0 ~ 8
De-Fog	OFF / AUTO
Back Light	OFF / BLC / HSBLC
White Balance	ATW / AWC / INDOOR / OUTDOOR / MANUAL / AWB
Day & Night	AUTO / COLOR / BW / EXT
SMART IR	ON / OFF
2D-NR	HIGH / MIDDLE / LOW / OFF
3D-NR	HIGH / MIDDLE / LOW / OFF
Freeze	ON / OFF
Mirror	OFF / MIRROR / V-FLIP / ROTATE
Motion Detection	4 Zones
Privacy Mask	4 Zones
Sharpness	0 ~ 10 Steps
Multi Language	English / Russian / German / French / Italian / Spanish / Polish / Portuguese / Dutch / Turkish / Chinese 1, 2
Power Input	DC12V ±10%
Operation Temperature / Humidity	-40℃ ~ 85℃ / 30% ~ 80% RH
Storage Temperature / Humidity	-50℃ ~ 105℃ / 20% ~ 90% RH
Dimension	ø80(Ø)mm 111(W) x 90(H)mm
Weight	About 320g

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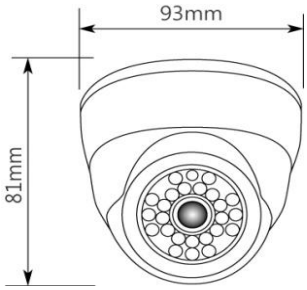
AHD2.0
IR LED Indoor Dome Camera

- 2 Mp (1080p)
- 24 IR LED
- 3.6mm Fixed Lens

TDIR-AHD930



Product Image

Dimension

2MP CMOS | AEB AE | 2D-3D NR | Defog | Dead Pixel | Low Shutter | Graphic OSD | DWDR | Sens-up 30x

Model	TDIR-AHD930
Image Sensor	2.0 Mega pixel 1/2.8" High Sensitivity Sony CMOS Sensor
Total Pixels	2000(H) x 1241(V)
Effective Pixels	1984(H) x 1225(V)
Resolution	1920 x 1080
Video Out	AHD : 1080p & 720p / Analog : NTSC/PAL CVBS
S/N Ratio	More than 50dB
Min. Illumination	0.1Lux @F1.2 (Color mode), 0.01Lux @F1.2 (B/W)
Scan Mode	Progressive
Lens	3.6mm Fixed lens
IR LED	24 IR LED
OSD Control	Built-in
Shutter Speed	Auto / Manual [1/50(60)sec ~ 1/50,000sec], X30
Sens-up	OFF / X2 ~ X30
AGC	OFF / 0 ~ 15
D-WDR	OFF / 0 ~ 8
De-Fog	OFF / AUTO
Back Light	OFF / BLC / HSBLC
White Balance	ATW / AWC / INDOOR / OUTDOOR / MANUAL / AWB
Day & Night	AUTO / COLOR / BW / EXT
SMART IR	ON / OFF
2D-NR	HIGH / MIDDLE / LOW / OFF
3D-NR	HIGH / MIDDLE / LOW / OFF
Freeze	ON / OFF
Mirror	OFF / MIRROR / V-FLIP / ROTATE
Motion Detection	4 Zones
Privacy Mask	4 Zones
Sharpness	0 ~ 10 Steps
Multi Language	English / Russian / German / French / Italian / Spanish / Polish / Portuguese / Dutch / Turkish / Chinese 1, 2
Power Input	DC12V ±10%
Operation Temperature / Humidity	-40℃ ~ 85℃ / 30% ~ 80% RH
Storage Temperature / Humidity	-50℃ ~ 105℃ / 20% ~ 90% RH
Dimension	81(Ø)mm x 93(H)mm
Weight	About 320g

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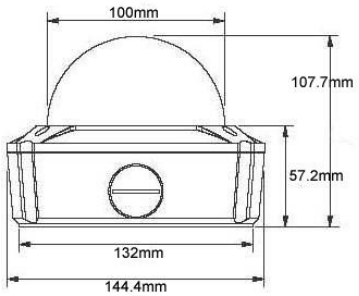
AHD 2.0
Outdoor Dome Camera

- 2 Mp (1080p) • Vandal-proof
- 3.6mm Fixed Lens

TDM-AHD6040VP

Option



Product Image

Dimension

2MP CMOS | AEB AE | 2D-3D NR | Defog | Dead Pixel | Low Shutter | Graphic OSD | DWDR | Sens-up 30x

Model	TDM-AHD6040VP
Image Sensor	2.0 Mpixel 1/2.8" High Sensitivity Sony CMOS Sensor
Total Pixels	2000(H) x 1241(V)
Effective Pixels	1984(H) x 1225(V)
Resolution	1920 x 1080
Video Out	AHD : 1080p & 720p / Analog : NTSC/PAL CVBS
S/N Ratio	More than 50dB
Min. Illumination	0.1Lux @F1.2 (Color mode), 0.01Lux @F1.2 (B/W)
Scan Mode	Progressive
Lens	3.6mm Fixed lens
OSD Control	Built-in
Shutter Speed	Auto / Manual [1/50(60)sec ~ 1/50,000sec], X30
Sens-up	OFF / X2 ~ X30
AGC	OFF / 0 ~ 15
D-WDR	OFF / 0 ~ 8
De-Fog	OFF / AUTO
Back Light	OFF / BLC / HSBLC
White Balance	ATW / AWC / INDOOR / OUTDOOR / MANUAL / AWB
Day & Night	AUTO / COLOR / BW / EXT
SMART IR	ON / OFF
2D-NR	HIGH / MIDDLE / LOW / OFF
3D-NR	HIGH / MIDDLE / LOW / OFF
Freeze	ON / OFF
Mirror	OFF / MIRROR / V-FLIP / ROTATE
Motion Detection	4 Zones
Privacy Mask	4 Zones
Sharpness	0 ~ 10 Steps
Multi Language	English / Russian / German / French / Italian / Spanish / Polish / Portuguese / Dutch / Turkish / Chinese 1, 2
Power Input	DC12V ±10%
Operation Temperature / Humidity	-40℃ ~ 85℃ / 30% ~ 80% RH
Storage Temperature / Humidity	-50℃ ~ 105℃ / 20% ~ 90% RH
Dimension	100mm x 144.4mm
Weight	About 0.9Kg

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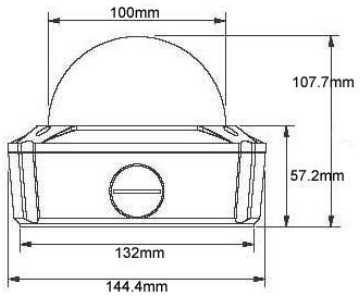
AHD 2.0
Outdoor Dome Camera

- 2 Mp (1080p) • Vandal-proof
- 2.8mm ~12mm V.F. Lens

TDM-AHD6040VPF

Option



Product Image

Dimension

2MP CMOS | AEB AE | 2D-3D NR | Defog | Dead Pixel | Low Shutter | Graphic OSD | DWDR | Sens-up 30x

Model	TDM-AHD6040VPF
Image Sensor	2.0 Mpixel 1/2.8" High Sensitivity Sony CMOS Sensor
Total Pixels	2000(H) x 1241(V)
Effective Pixels	1984(H) x 1225(V)
Resolution	1920 x 1080
Video Out	AHD : 1080p & 720p / Analog : NTSC/PAL CVBS
S/N Ratio	More than 50dB
Min. Illumination	0.1Lux @F1.2 (Color mode), 0.01Lux @F1.2 (B/W)
Scan Mode	Progressive
Lens	Manual Iris 2.8-12mm Vari-Focal lens (DC Auto. Iris Option)
OSD Control	Built-in
Shutter Speed	Auto / Manual [1/50(60)sec ~ 1/50,000sec], X30
Sens-up	OFF / X2 ~ X30
AGC	OFF / 0 ~ 15
D-WDR	OFF / 0 ~ 8
De-Fog	OFF / AUTO
Back Light	OFF / BLC / HSBLC
White Balance	ATW / AWC / INDOOR / OUTDOOR / MANUAL / AWB
Day & Night	AUTO / COLOR / BW / EXT
SMART IR	ON / OFF
2D-NR	HIGH / MIDDLE / LOW / OFF
3D-NR	HIGH / MIDDLE / LOW / OFF
Freeze	ON / OFF
Mirror	OFF / MIRROR / V-FLIP / ROTATE
Motion Detection	4 Zones
Privacy Mask	4 Zones
Sharpness	0 ~ 10 Steps
Multi Language	English / Russian / German / French / Italian / Spanish / Polish / Portuguese / Dutch / Turkish / Chinese 1, 2
Power Input	DC12V ±10%
Operation Temperature / Humidity	-40℃ ~ 85℃ / 30% ~ 80% RH
Storage Temperature / Humidity	-50℃ ~ 105℃ / 20% ~ 90% RH
Dimension	100mm x 144.4mm
Weight	About 0.9Kg

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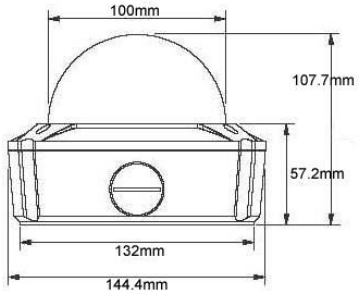
AHD 2.0
IR LED Outdoor Dome Camera

• 2 Mp (1080p) • 30 IR LED
• Vandal-proof • 3.6mm Fixed Lens

TDIR-AHD9040VP

Option



Product Image

Dimension

2MP CMOS | AEB AE | 2D-3D NR | Defog | Dead Pixel | Low Shutter | Graphic OSD | DWDR | Sens-up 30x

Model	TDIR-AHD9040VP
Image Sensor	2.0 Mpixel 1/2.8" High Sensitivity Sony CMOS Sensor
Total Pixels	2000(H) x 1241(V)
Effective Pixels	1984(H) x 1225(V)
Resolution	1920 x 1080
Video Out	AHD : 1080p & 720p / Analog : NTSC/PAL CVBS
S/N Ratio	More than 50dB
Min. Illumination	0.1Lux @F1.2 (Color mode), 0.01Lux @F1.2 (B/W)
Scan Mode	Progressive
Lens	3.6mm Fixed lens
IR LED	30 IR LED
OSD Control	Built-in
Shutter Speed	Auto / Manual [1/50(60)sec ~ 1/50,000sec], X30
Sens-up	OFF / X2 ~ X30
AGC	OFF / 0 ~ 15
D-WDR	OFF / 0 ~ 8
De-Fog	OFF / AUTO
Back Light	OFF / BLC / HSBLC
White Balance	ATW / AWC / INDOOR / OUTDOOR / MANUAL / AWB
Day & Night	AUTO / COLOR / BW / EXT
SMART IR	ON / OFF
2D-NR	HIGH / MIDDLE / LOW / OFF
3D-NR	HIGH / MIDDLE / LOW / OFF
Freeze	ON / OFF
Mirror	OFF / MIRROR / V-FLIP / ROTATE
Motion Detection	4 Zones
Privacy Mask	4 Zones
Sharpness	0 ~ 10 Steps
Multi Language	English / Russian / German / French / Italian / Spanish / Polish / Portuguese / Dutch / Turkish / Chinese 1, 2
Power Input	DC12V ±10%
Operation Temperature / Humidity	-40℃ ~ 85℃ / 30% ~ 80% RH
Storage Temperature / Humidity	-50℃ ~ 105℃ / 20% ~ 90% RH
Dimension	100mm x 144.4mm
Weight	About 0.9Kg

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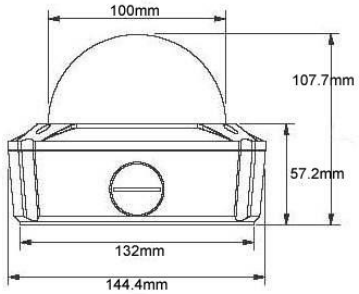
AHD 2.0
IR LED Outdoor Dome Camera

- 2 Mp (1080p) • Vandal-proof
- 30 IR LED • 2.8mm~12mm V.F. Lens

TDIR-AHD9040VPF

Option



Product Image

Dimension

2MP CMOS | AEB AE | 2D-3D NR | Defog | Dead Pixel | Low Shutter | Graphic OSD | DWDR | Sens-up 30x

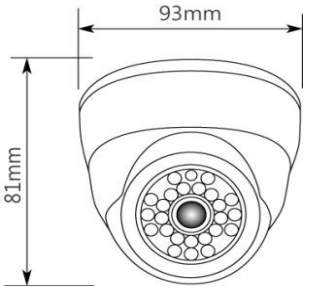
Model	TDIR-AHD9040VPF
Image Sensor	2.0 Mpixel 1/2.8" High Sensitivity Sony CMOS Sensor
Total Pixels	2000(H) x 1241(V)
Effective Pixels	1984(H) x 1225(V)
Resolution	1920 x 1080
Video Out	AHD : 1080p & 720p / Analog : NTSC/PAL CVBS
S/N Ratio	More than 50dB
Min. Illumination	0.1Lux @F1.2 (Color mode), 0.01Lux @F1.2 (B/W)
Scan Mode	Progressive
Lens	Manual Iris 2.8-12mm Vari-Focal lens (DC Auto. Iris Option)
IR LED	30 IR LED
OSD Control	Built-in
Shutter Speed	Auto / Manual [1/50(60)sec ~ 1/50,000sec], X30
Sens-up	OFF / X2 ~ X30
AGC	OFF / 0 ~ 15
D-WDR	OFF / 0 ~ 8
De-Fog	OFF / AUTO
Back Light	OFF / BLC / HSBLC
White Balance	ATW / AWC / INDOOR / OUTDOOR / MANUAL / AWB
Day & Night	AUTO / COLOR / BW / EXT
SMART IR	ON / OFF
2D-NR	HIGH / MIDDLE / LOW / OFF
3D-NR	HIGH / MIDDLE / LOW / OFF
Freeze	ON / OFF
Mirror	OFF / MIRROR / V-FLIP / ROTATE
Motion Detection	4 Zones
Privacy Mask	4 Zones
Sharpness	0 ~ 10 Steps
Multi Language	English / Russian / German / French / Italian / Spanish / Polish / Portuguese / Dutch / Turkish / Chinese 1, 2
Power Input	DC12V ±10%
Operation Temperature / Humidity	-40℃ ~ 85℃ / 30% ~ 80% RH
Storage Temperature / Humidity	-50℃ ~ 105℃ / 20% ~ 90% RH
Dimension	100mm x 144.4mm
Weight	About 0.9Kg

www.tsact.com

AHD2.0
IR LED Indoor Dome Camera

- 2 Mp (1080p)
- 24 IR LED
- 3.6mm Fixed Lens

TDIR-AHD950



Product Image

Dimension

2MP CMOS | AEB AE | 2D-3D NR | Defog | Dead Pixel | Low Shutter | Graphic OSD | DWDR | Sens-up 30x

Model	TDIR-AHD950
Image Sensor	2.0 Mega pixel 1/2.8" High Sensitivity Sony CMOS Sensor
Total Pixels	2000(H) x 1241(V)
Effective Pixels	1984(H) x 1225(V)
Resolution	1920 x 1080
Video Out	AHD : 1080p & 720p / Analog : NTSC/PAL CVBS
S/N Ratio	More than 50dB
Min. Illumination	0.1Lux @F1.2 (Color mode), 0.01Lux @F1.2 (B/W)
Scan Mode	Progressive
Lens	3.6mm Fixed lens
IR LED	24 IR LED
OSD Control	Built-in
Shutter Speed	Auto / Manual [1/50(60)sec ~ 1/50,000sec], X30
Sens-up	OFF / X2 ~ X30
AGC	OFF / 0 ~ 15
D-WDR	OFF / 0 ~ 8
De-Fog	OFF / AUTO
Back Light	OFF / BLC / HSBLC
White Balance	ATW / AWC / INDOOR / OUTDOOR / MANUAL / AWB
Day & Night	AUTO / COLOR / BW / EXT
SMART IR	ON / OFF
2D-NR	HIGH / MIDDLE / LOW / OFF
3D-NR	HIGH / MIDDLE / LOW / OFF
Freeze	ON / OFF
Mirror	OFF / MIRROR / V-FLIP / ROTATE
Motion Detection	4 Zones
Privacy Mask	4 Zones
Sharpness	0 ~ 10 Steps
Multi Language	English / Russian / German / French / Italian / Spanish / Polish / Portuguese / Dutch / Turkish / Chinese 1, 2
Power Input	DC12V ±10%
Operation Temperature / Humidity	-40℃ ~ 85℃ / 30% ~ 80% RH
Storage Temperature / Humidity	-50℃ ~ 105℃ / 20% ~ 90% RH
Dimension	81(Ø)mm x 93(H)mm
Weight	About 420g

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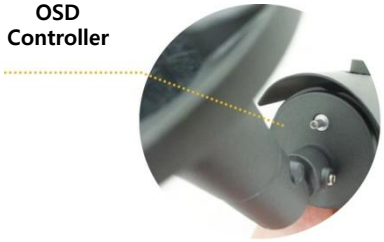
AHD 2.0
IR LED Bullet Camera

- 2 Mp (1080p)
- 12 IR LED
- 3.6mm Fixed Lens

TIR-AHD5

OSD Controller



Product Image

Features

2MP CMOS | AEB AE | 2D-3D NR | Defog | Dead Pixel | Low Shutter | Graphic OSD | DWDR | Sens-up 30x

Model	TIR-AHD5212
Image Sensor	2.0 Mpixel 1/2.8" High Sensitivity Sony CMOS Sensor
Total Pixels	2000(H) x 1241(V)
Effective Pixels	1984(H) x 1225(V)
Resolution	1920 x 1080
Video Out	AHD : 1080p & 720p / Analog : NTSC/PAL CVBS
S/N Ratio	More than 50dB
Min. Illumination	0.1Lux @F1.2 (Color mode), 0.01Lux @F1.2 (B/W)
Scan Mode	Progressive
Lens	3.6mm Fixed lens
IR LED	12 IR LED
OSD Control	Built-in
Shutter Speed	Auto / Manual [1/50(60)sec ~ 1/50,000sec], X30
Sens-up	OFF / X2 ~ X30
AGC	OFF / 0 ~ 15
D-WDR	OFF / 0 ~ 8
De-Fog	OFF / AUTO
Back Light	OFF / BLC / HSBLC
White Balance	ATW / AWC / INDOOR / OUTDOOR / MANUAL / AWB
Day & Night	AUTO / COLOR / BW / EXT
SMART IR	ON / OFF
2D-NR	HIGH / MIDDLE / LOW / OFF
3D-NR	HIGH / MIDDLE / LOW / OFF
Freeze	ON / OFF
Mirror	OFF / MIRROR / V-FLIP / ROTATE
Motion Detection	4 Zones
Privacy Mask	4 Zones
Sharpness	0 ~ 10 Steps
Multi Language	English / Russian / German / French / Italian / Spanish / Polish / Portuguese / Dutch / Turkish / Chinese 1, 2
Power Input	DC12V ±10%
Operation Temperature / Humidity	-40℃ ~ 85℃ / 30% ~ 80% RH
Storage Temperature / Humidity	-50℃ ~ 105℃ / 20% ~ 90% RH
Dimension	168mm x 76mm x 85mm
Weight	About 0.3Kg

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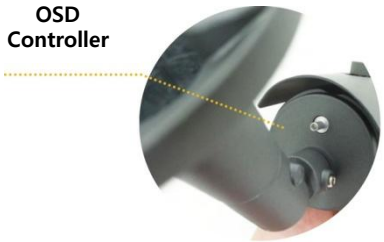
AHD 2.0
IR LED Bullet Camera

- 2 Mp (1080p)
- 24 IR LED
- 3.6mm Fixed Lens

TIR-AHD5224



Product Image

Features

2MP CMOS | AEB AE | 2D-3D NR | Defog | Dead Pixel | Low Shutter | Graphic OSD | DWDR | Sens-up 30x

Model	TIR-AHD5224
Image Sensor	2.0 Mpixel 1/2.8" High Sensitivity Sony CMOS Sensor
Total Pixels	2000(H) x 1241(V)
Effective Pixels	1984(H) x 1225(V)
Resolution	1920 x 1080
Video Out	AHD : 1080p & 720p / Analog : NTSC/PAL CVBS
S/N Ratio	More than 50dB
Min. Illumination	0.1Lux @F1.2 (Color mode), 0.01Lux @F1.2 (B/W)
Scan Mode	Progressive
Lens	3.6mm Fixed lens
IR LED	24 IR LED
OSD Control	Built-in
Shutter Speed	Auto / Manual [1/50(60)sec ~ 1/50,000sec], X30
Sens-up	OFF / X2 ~ X30
AGC	OFF / 0 ~ 15
D-WDR	OFF / 0 ~ 8
De-Fog	OFF / AUTO
Back Light	OFF / BLC / HSBLC
White Balance	ATW / AWC / INDOOR / OUTDOOR / MANUAL / AWB
Day & Night	AUTO / COLOR / BW / EXT
SMART IR	ON / OFF
2D-NR	HIGH / MIDDLE / LOW / OFF
3D-NR	HIGH / MIDDLE / LOW / OFF
Freeze	ON / OFF
Mirror	OFF / MIRROR / V-FLIP / ROTATE
Motion Detection	4 Zones
Privacy Mask	4 Zones
Sharpness	0 ~ 10 Steps
Multi Language	English / Russian / German / French / Italian / Spanish / Polish / Portuguese / Dutch / Turkish / Chinese 1, 2
Power Input	DC12V ±10%
Operation Temperature / Humidity	-40℃ ~ 85℃ / 30% ~ 80% RH
Storage Temperature / Humidity	-50℃ ~ 105℃ / 20% ~ 90% RH
Dimension	168mm x 76mm x 85mm
Weight	About 0.3Kg

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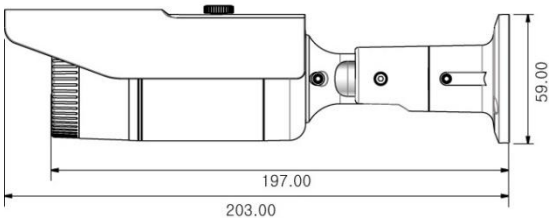
AHD 2.0
IR LED Bullet Camera

- 2 Mp (1080p)
- 24 IR LED
- 3.6mm Fixed Lens

TIR-AHD5124



Product Image

Dimension

2MP CMOS | AEB AE | 2D-3D NR | Defog | Dead Pixel | Low Shutter | Graphic OSD | DWDR | Sens-up 30x

Model	TIR-AHD5124
Image Sensor	2.0 Mpixel 1/2.8" High Sensitivity Sony CMOS Sensor
Total Pixels	2000(H) x 1241(V)
Effective Pixels	1984(H) x 1225(V)
Resolution	1920 x 1080
Video Out	AHD : 1080p & 720p / Analog : NTSC/PAL CVBS
S/N Ratio	More than 50dB
Min. Illumination	0.1Lux @F1.2 (Color mode), 0.01Lux @F1.2 (B/W)
Scan Mode	Progressive
Lens	3.6mm Fixed lens
IR LED	24 IR LED
OSD Control	Built-in
Shutter Speed	Auto / Manual [1/50(60)sec ~ 1/50,000sec], X30
Sens-up	OFF / X2 ~ X30
AGC	OFF / 0 ~ 15
D-WDR	OFF / 0 ~ 8
De-Fog	OFF / AUTO
Back Light	OFF / BLC / HSBLC
White Balance	ATW / AWC / INDOOR / OUTDOOR / MANUAL / AWB
Day & Night	AUTO / COLOR / BW / EXT
SMART IR	ON / OFF
2D-NR	HIGH / MIDDLE / LOW / OFF
3D-NR	HIGH / MIDDLE / LOW / OFF
Freeze	ON / OFF
Mirror	OFF / MIRROR / V-FLIP / ROTATE
Motion Detection	4 Zones
Privacy Mask	4 Zones
Sharpness	0 ~ 10 Steps
Multi Language	English / Russian / German / French / Italian / Spanish / Polish / Portuguese / Dutch / Turkish / Chinese 1, 2
Power Input	DC12V ±10%
Operation Temperature / Humidity	-40℃ ~ 85℃ / 30% ~ 80% RH
Storage Temperature / Humidity	-50℃ ~ 105℃ / 20% ~ 90% RH
Dimension	51mm x 203mm
Weight	About 0.4Kg

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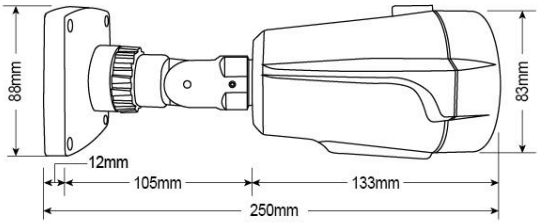
AHD 2.0
IR LED Bullet Camera

- 2 Mp (1080p)
- 42 IR LED
- 3.6mm Fixed Lens

TIR-AHD5142



Product Image

Dimension

2MP CMOS | AEB AE | 2D-3D NR | Defog | Dead Pixel | Low Shutter | Graphic OSD | DWDR | Sens-up 30x

Model	TIR-AHD5142
Image Sensor	2.0 Mpixel 1/2.8" High Sensitivity Sony CMOS Sensor
Total Pixels	2000(H) x 1241(V)
Effective Pixels	1984(H) x 1225(V)
Resolution	1920 x 1080
Video Out	AHD : 1080p & 720p / Analog : NTSC/PAL CVBS
S/N Ratio	More than 50dB
Min. Illumination	0.1Lux @F1.2 (Color mode), 0.01Lux @F1.2 (B/W)
Scan Mode	Progressive
Lens	3.6mm Fixed lens
IR LED	42 IR LED
OSD Control	Built-in
Shutter Speed	Auto / Manual [1/50(60)sec ~ 1/50,000sec], X30
Sens-up	OFF / X2 ~ X30
AGC	OFF / 0 ~ 15
D-WDR	OFF / 0 ~ 8
De-Fog	OFF / AUTO
Back Light	OFF / BLC / HSBLC
White Balance	ATW / AWC / INDOOR / OUTDOOR / MANUAL / AWB
Day & Night	AUTO / COLOR / BW / EXT
SMART IR	ON / OFF
2D-NR	HIGH / MIDDLE / LOW / OFF
3D-NR	HIGH / MIDDLE / LOW / OFF
Freeze	ON / OFF
Mirror	OFF / MIRROR / V-FLIP / ROTATE
Motion Detection	4 Zones
Privacy Mask	4 Zones
Sharpness	0 ~ 10 Steps
Multi Language	English / Russian / German / French / Italian / Spanish / Polish / Portuguese / Dutch / Turkish / Chinese 1, 2
Power Input	DC12V ±10%
Operation Temperature / Humidity	-40℃ ~ 85℃ / 30% ~ 80% RH
Storage Temperature / Humidity	-50℃ ~ 105℃ / 20% ~ 90% RH
Dimension	83mm x 250mm
Weight	About 1.4Kg

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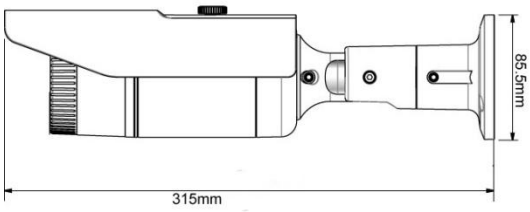
AHD 2.0
IR LED Bullet Camera

- 2 Mp (1080p)
- 54 IR LED
- 6mm Fixed Lens

TIR-AHD5154



Product Image

Dimension

2MP CMOS | AEB AE | 2D-3D NR | Defog | Dead Pixel | Low Shutter | Graphic OSD | DWDR | Sens-up 30x

Model	TIR-AHD5154
Image Sensor	2.0 Mpixel 1/2.8" High Sensitivity Sony CMOS Sensor
Total Pixels	2000(H) x 1241(V)
Effective Pixels	1984(H) x 1225(V)
Resolution	1920 x 1080
Video Out	AHD : 1080p & 720p / Analog : NTSC/PAL CVBS
S/N Ratio	More than 50dB
Min. Illumination	0.1Lux @F1.2 (Color mode), 0.01Lux @F1.2 (B/W)
Scan Mode	Progressive
Lens	6mm Fixed lens
IR LED	54 IR LED
OSD Control	Built-in
Shutter Speed	Auto / Manual [1/50(60)sec ~ 1/50,000sec], X30
Sens-up	OFF / X2 ~ X30
AGC	OFF / 0 ~ 15
D-WDR	OFF / 0 ~ 8
De-Fog	OFF / AUTO
Back Light	OFF / BLC / HSBLC
White Balance	ATW / AWC / INDOOR / OUTDOOR / MANUAL / AWB
Day & Night	AUTO / COLOR / BW / EXT
SMART IR	ON / OFF
2D-NR	HIGH / MIDDLE / LOW / OFF
3D-NR	HIGH / MIDDLE / LOW / OFF
Freeze	ON / OFF
Mirror	OFF / MIRROR / V-FLIP / ROTATE
Motion Detection	4 Zones
Privacy Mask	4 Zones
Sharpness	0 ~ 10 Steps
Multi Language	English / Russian / German / French / Italian / Spanish / Polish / Portuguese / Dutch / Turkish / Chinese 1, 2
Power Input	DC12V ±10%
Operation Temperature / Humidity	-40℃ ~ 85℃ / 30% ~ 80% RH
Storage Temperature / Humidity	-50℃ ~ 105℃ / 20% ~ 90% RH
Dimension	85.5mm x 315mm
Weight	About 1.2Kg

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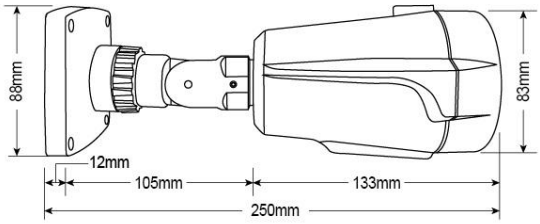
AHD 2.0
IR LED Bullet Camera

- 2 Mp (1080p)
- 60 IR LED
- 6mm Fixed Lens

TIR-AHD5160



Product Image

Dimension

2MP CMOS | AEB AE | 2D-3D NR | Defog | Dead Pixel | Low Shutter | Graphic OSD | DWDR | Sens-up 30x

Model	TIR-AHD5160
Image Sensor	2.0 Mpixel 1/2.8" High Sensitivity Sony CMOS Sensor
Total Pixels	2000(H) x 1241(V)
Effective Pixels	1984(H) x 1225(V)
Resolution	1920 x 1080
Video Out	AHD : 1080p & 720p / Analog : NTSC/PAL CVBS
S/N Ratio	More than 50dB
Min. Illumination	0.1Lux @F1.2 (Color mode), 0.01Lux @F1.2 (B/W)
Scan Mode	Progressive
Lens	6mm Fixed lens
IR LED	60 IR LED
OSD Control	Built-in
Shutter Speed	Auto / Manual [1/50(60)sec ~ 1/50,000sec], X30
Sens-up	OFF / X2 ~ X30
AGC	OFF / 0 ~ 15
D-WDR	OFF / 0 ~ 8
De-Fog	OFF / AUTO
Back Light	OFF / BLC / HSBLC
White Balance	ATW / AWC / INDOOR / OUTDOOR / MANUAL / AWB
Day & Night	AUTO / COLOR / BW / EXT
SMART IR	ON / OFF
2D-NR	HIGH / MIDDLE / LOW / OFF
3D-NR	HIGH / MIDDLE / LOW / OFF
Freeze	ON / OFF
Mirror	OFF / MIRROR / V-FLIP / ROTATE
Motion Detection	4 Zones
Privacy Mask	4 Zones
Sharpness	0 ~ 10 Steps
Multi Language	English / Russian / German / French / Italian / Spanish / Polish / Portuguese / Dutch / Turkish / Chinese 1, 2
Power Input	DC12V ±10%
Operation Temperature / Humidity	-40℃ ~ 85℃ / 30% ~ 80% RH
Storage Temperature / Humidity	-50℃ ~ 105℃ / 20% ~ 90% RH
Dimension	83mm x 250mm
Weight	About 1.4Kg

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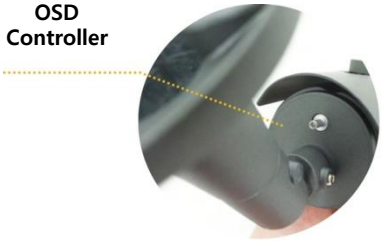
AHD 2.0
IR LED Bullet Camera

- 2 Mp (1080p)
- 12 IR LED
- 2.8mm~12mm V.F. Lens

TIR-AHD5212VF

OSD Controller



Product Image

Dimension

2MP CMOS | AEB AE | 2D-3D NR | Defog | Dead Pixel | Low Shutter | Graphic OSD | DWDR | Sens-up 30x

Model	TIR-AHD5212VF
Image Sensor	2.0 Mpixel 1/2.8" High Sensitivity Sony CMOS Sensor
Total Pixels	2000(H) x 1241(V)
Effective Pixels	1984(H) x 1225(V)
Resolution	1920 x 1080
Video Out	AHD : 1080p & 720p / Analog : NTSC/PAL CVBS
S/N Ratio	More than 50dB
Min. Illumination	0.1Lux @F1.2 (Color mode), 0.01Lux @F1.2 (B/W)
Scan Mode	Progressive
Lens	Manual Iris 2.8-12mm Vari-Focal lens (DC Auto. Iris Option)
IR LED	12 IR LED
OSD Control	Built-in
Shutter Speed	Auto / Manual [1/50(60)sec ~ 1/50,000sec], X30
Sens-up	OFF / X2 ~ X30
AGC	OFF / 0 ~ 15
D-WDR	OFF / 0 ~ 8
De-Fog	OFF / AUTO
Back Light	OFF / BLC / HSBLC
White Balance	ATW / AWC / INDOOR / OUTDOOR / MANUAL / AWB
Day & Night	AUTO / COLOR / BW / EXT
SMART IR	ON / OFF
2D-NR	HIGH / MIDDLE / LOW / OFF
3D-NR	HIGH / MIDDLE / LOW / OFF
Freeze	ON / OFF
Mirror	OFF / MIRROR / V-FLIP / ROTATE
Motion Detection	4 Zones
Privacy Mask	4 Zones
Sharpness	0 ~ 10 Steps
Multi Language	English / Russian / German / French / Italian / Spanish / Polish / Portuguese / Dutch / Turkish / Chinese 1, 2
Power Input	DC12V ±10%
Operation Temperature / Humidity	-40℃ ~ 85℃ / 30% ~ 80% RH
Storage Temperature / Humidity	-50℃ ~ 105℃ / 20% ~ 90% RH
Dimension	168mm x 76mm x 85mm
Weight	About 0.3Kg

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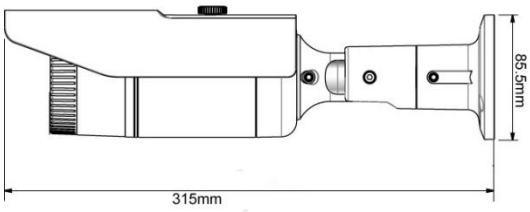
AHD 2.0
IR LED Bullet Camera

- 2 Mp (1080p)
- 42 IR LED
- 2.8mm ~12mm V.F. Lens

TIR-AHD5142VF



Product Image

Dimension

2MP CMOS | AEB AE | 2D-3D NR | Defog | Dead Pixel | Low Shutter | Graphic OSD | DWDR | Sens-up 30x

Model	TIR-AHD5142VF
Image Sensor	2.0 Mpixel 1/2.8" High Sensitivity Sony CMOS Sensor
Total Pixels	2000(H) x 1241(V)
Effective Pixels	1984(H) x 1225(V)
Resolution	1920 x 1080
Video Out	AHD : 1080p & 720p / Analog : NTSC/PAL CVBS
S/N Ratio	More than 50dB
Min. Illumination	0.1Lux @F1.2 (Color mode), 0.01Lux @F1.2 (B/W)
Scan Mode	Progressive
Lens	Manual Iris 2.8-12mm Vari-Focal lens (DC Auto. Iris Option)
IR LED	42 IR LED
OSD Control	Built-in
Shutter Speed	Auto / Manual [1/50(60)sec ~ 1/50,000sec], X30
Sens-up	OFF / X2 ~ X30
AGC	OFF / 0 ~ 15
D-WDR	OFF / 0 ~ 8
De-Fog	OFF / AUTO
Back Light	OFF / BLC / HSBLC
White Balance	ATW / AWC / INDOOR / OUTDOOR / MANUAL / AWB
Day & Night	AUTO / COLOR / BW / EXT
SMART IR	ON / OFF
2D-NR	HIGH / MIDDLE / LOW / OFF
3D-NR	HIGH / MIDDLE / LOW / OFF
Freeze	ON / OFF
Mirror	OFF / MIRROR / V-FLIP / ROTATE
Motion Detection	4 Zones
Privacy Mask	4 Zones
Sharpness	0 ~ 10 Steps
Multi Language	English / Russian / German / French / Italian / Spanish / Polish / Portuguese / Dutch / Turkish / Chinese 1, 2
Power Input	DC12V ±10%
Operation Temperature / Humidity	-40℃ ~ 85℃ / 30% ~ 80% RH
Storage Temperature / Humidity	-50℃ ~ 105℃ / 20% ~ 90% RH
Dimension	85.5mm x 315mm
Weight	1.2Kg

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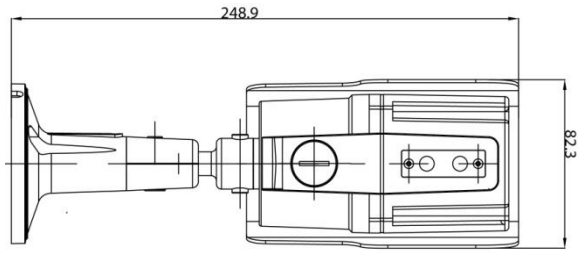
AHD 2.0
IR LED Bullet Camera

- 2 Mp (1080p)
- 42 IR LED
- 2.8mm ~12mm V.F. Lens

TIR-AHD5242VF



Product Image

Dimension

2MP CMOS | AEB AE | 2D-3D NR | Defog | Dead Pixel | Low Shutter | Graphic OSD | DWDR | Sens-up 30x

Model	TIR-AHD5242VF
Image Sensor	2.0 Mpixel 1/2.8" High Sensitivity Sony CMOS Sensor
Total Pixels	2000(H) x 1241(V)
Effective Pixels	1984(H) x 1225(V)
Resolution	1920 x 1080
Video Out	AHD : 1080p & 720p / Analog : NTSC/PAL CVBS
S/N Ratio	More than 50dB
Min. Illumination	0.1Lux @F1.2 (Color mode), 0.01Lux @F1.2 (B/W)
Scan Mode	Progressive
Lens	DC Auto. Iris 2.8-12mm Vari-Focal lens
IR LED	42 IR LED
OSD Control	Built-in
Shutter Speed	Auto / Manual [1/50(60)sec ~ 1/50,000sec], X30
Sens-up	OFF / X2 ~ X30
AGC	OFF / 0 ~ 15
D-WDR	OFF / 0 ~ 8
De-Fog	OFF / AUTO
Back Light	OFF / BLC / HSBLC
White Balance	ATW / AWC / INDOOR / OUTDOOR / MANUAL / AWB
Day & Night	AUTO / COLOR / BW / EXT
SMART IR	ON / OFF
2D-NR	HIGH / MIDDLE / LOW / OFF
3D-NR	HIGH / MIDDLE / LOW / OFF
Freeze	ON / OFF
Mirror	OFF / MIRROR / V-FLIP / ROTATE
Motion Detection	4 Zones
Privacy Mask	4 Zones
Sharpness	0 ~ 10 Steps
Multi Language	English / Russian / German / French / Italian / Spanish / Polish / Portuguese / Dutch / Turkish / Chinese 1, 2
Power Input	DC12V ±10%
Operation Temperature / Humidity	-40℃ ~ 85℃ / 30% ~ 80% RH
Storage Temperature / Humidity	-50℃ ~ 105℃ / 20% ~ 90% RH
Dimension	82.3mm x 81.1mm x 248.9mm
Weight	About 1.1 Kg

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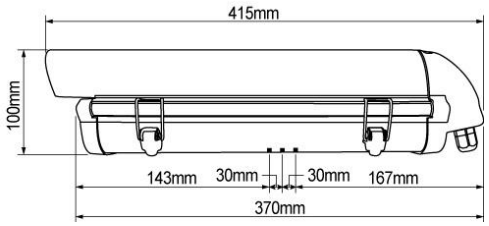
AHD 2.0
IR LED Housing Camera

- 2 Mp (1080p)
- 84 IR LED
- 6mm Fixed Lens

THIR-AHD5084



Product Image

Dimension

2MP CMOS | AEB AE | 2D-3D NR | Defog | Dead Pixel | Low Shutter | Graphic OSD | DWDR | Sens-up 30x

Model	THIR-AHD5084
Image Sensor	2.0 Mpixel 1/2.8" High Sensitivity Sony CMOS Sensor
Total Pixels	2000(H) x 1241(V)
Effective Pixels	1984(H) x 1225(V)
Resolution	1920 x 1080
Video Out	AHD : 1080p & 720p / Analog : NTSC/PAL CVBS
S/N Ratio	More than 50dB
Min. Illumination	0.1Lux @F1.2 (Color mode), 0.01Lux @F1.2 (B/W)
Scan Mode	Progressive
Lens	6mm Fixed lens
IR LED	84 IR LED
OSD Control	Built-in
Shutter Speed	Auto / Manual [1/50(60)sec ~ 1/50,000sec], X30
Sens-up	OFF / X2 ~ X30
AGC	OFF / 0 ~ 15
D-WDR	OFF / 0 ~ 8
De-Fog	OFF / AUTO
Back Light	OFF / BLC / HSBLC
White Balance	ATW / AWC / INDOOR / OUTDOOR / MANUAL / AWB
Day & Night	AUTO / COLOR / BW / EXT
SMART IR	ON / OFF
2D-NR	HIGH / MIDDLE / LOW / OFF
3D-NR	HIGH / MIDDLE / LOW / OFF
Freeze	ON / OFF
Mirror	OFF / MIRROR / V-FLIP / ROTATE
Motion Detection	4 Zones
Privacy Mask	4 Zones
Sharpness	0 ~ 10 Steps
Multi Language	English / Russian / German / French / Italian / Spanish / Polish / Portuguese / Dutch / Turkish / Chinese 1, 2
Power Input	DC12V ±10%
Operation Temperature / Humidity	-40℃ ~ 85℃ / 30% ~ 80% RH
Storage Temperature / Humidity	-50℃ ~ 105℃ / 20% ~ 90% RH
Dimension	100mm x 139mm x 415mm
Weight	About 1.7Kg

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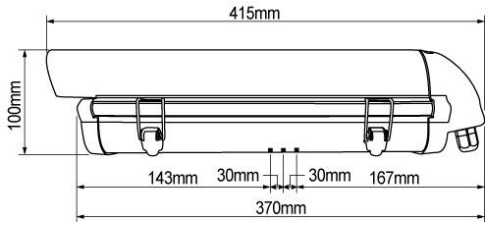
AHD 2.0
IR LED Housing Camera

- 2 Mp (1080p) • 54 IR LED
- 2.8mm~12mm V.F. Lens

THIR-AHD5054VF



Product Image

Dimension

2MP CMOS | AEB AE | 2D-3D NR | Defog | Dead Pixel | Low Shutter | Graphic OSD | DWDR | Sens-up 30x

Model	THIR-AHD5054VF
Image Sensor	2.0 Mega pixel 1/2.8" High Sensitivity Sony CMOS Sensor
Total Pixels	2000(H) x 1241(V)
Effective Pixels	1984(H) x 1225(V)
Resolution	1920 x 1080
Video Out	AHD : 1080p & 720p / Analog : NTSC/PAL CVBS
S/N Ratio	More than 50dB
Min. Illumination	0.1Lux @F1.2 (Color mode), 0.01Lux @F1.2 (B/W)
Scan Mode	Progressive
Lens	Manual Iris 2.8-12mm Vari-Focal lens (DC Auto. Iris Option)
IR LED	54 IR LED
OSD Control	Built-in
Shutter Speed	Auto / Manual [1/50(60)sec ~ 1/50,000sec], X30
Sens-up	OFF / X2 ~ X30
AGC	OFF / 0 ~ 15
D-WDR	OFF / 0 ~ 8
De-Fog	OFF / AUTO
Back Light	OFF / BLC / HSBLC
White Balance	ATW / AWC / INDOOR / OUTDOOR / MANUAL / AWB
Day & Night	AUTO / COLOR / BW / EXT
SMART IR	ON / OFF
2D-NR	HIGH / MIDDLE / LOW / OFF
3D-NR	HIGH / MIDDLE / LOW / OFF
Freeze	ON / OFF
Mirror	OFF / MIRROR / V-FLIP / ROTATE
Motion Detection	4 Zones
Privacy Mask	4 Zones
Sharpness	0 ~ 10 Steps
Multi Language	English / Russian / German / French / Italian / Spanish / Polish / Portuguese / Dutch / Turkish / Chinese 1, 2
Power Input	DC12V ±10%
Operation Temperature / Humidity	-40℃ ~ 85℃ / 30% ~ 80% RH
Storage Temperature / Humidity	-50℃ ~ 105℃ / 20% ~ 90% RH
Dimension	100mm x 139mm x 415mm
Weight	About 1.7Kg

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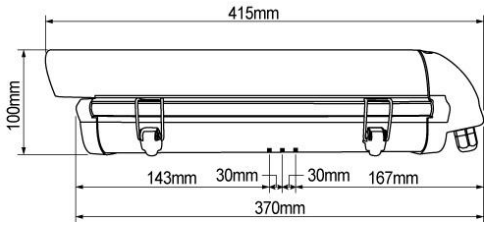
AHD 2.0
IR LED Housing Camera

- 2 Mp (1080p)
- 54 IR LED
- 2.8mm~12mm V.F. Lens

THIR-AHD5054VF/L



Product Image

Dimension

2MP CMOS | AEB AE | 2D-3D NR | Defog | Dead Pixel | Low Shutter | Graphic OSD | DWDR | Sens-up 30x

Model	THIR-AHD5054VF/L
Image Sensor	2.0 Mega pixel 1/2.8" High Sensitivity Sony CMOS Sensor
Total Pixels	2000(H) x 1241(V)
Effective Pixels	1984(H) x 1225(V)
Resolution	1920 x 1080
Video Out	AHD : 1080p & 720p / Analog : NTSC/PAL CVBS
S/N Ratio	More than 50dB
Min. Illumination	0.1Lux @F1.2 (Color mode), 0.01Lux @F1.2 (B/W)
Scan Mode	Progressive
Lens	Manual Iris 5-50mm Vari-Focal lens (DC Auto. Iris Option)
IR LED	54 IR LED
OSD Control	Built-in
Shutter Speed	Auto / Manual [1/50(60)sec ~ 1/50,000sec], X30
Sens-up	OFF / X2 ~ X30
AGC	OFF / 0 ~ 15
D-WDR	OFF / 0 ~ 8
De-Fog	OFF / AUTO
Back Light	OFF / BLC / HSBLC
White Balance	ATW / AWC / INDOOR / OUTDOOR / MANUAL / AWB
Day & Night	AUTO / COLOR / BW / EXT
SMART IR	ON / OFF
2D-NR	HIGH / MIDDLE / LOW / OFF
3D-NR	HIGH / MIDDLE / LOW / OFF
Freeze	ON / OFF
Mirror	OFF / MIRROR / V-FLIP / ROTATE
Motion Detection	4 Zones
Privacy Mask	4 Zones
Sharpness	0 ~ 10 Steps
Multi Language	English / Russian / German / French / Italian / Spanish / Polish / Portuguese / Dutch / Turkish / Chinese 1, 2
Power Input	DC12V ±10%
Operation Temperature / Humidity	-40℃ ~ 85℃ / 30% ~ 80% RH
Storage Temperature / Humidity	-50℃ ~ 105℃ / 20% ~ 90% RH
Dimension	100mm x 139mm x 415mm
Weight	About 1.7Kg

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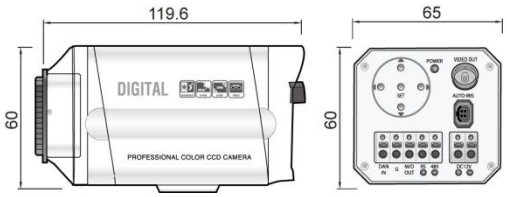
AHD 2.0
Standard Box Camera

- 2 Mp (1080p) • OSD
- C/CS Mount Lens



TSC-AHD490

Product Image

Dimension

2MP CMOS | AEB AE | 2D-3D NR | Defog | Dead Pixel | Low Shutter | Graphic OSD | DWDR | Sens-up 30x

Model	TDM-AHD490
Image Sensor	2.0 Mpixel 1/2.8" High Sensitivity Sony CMOS Sensor
Total Pixels	2000(H) x 1241(V)
Effective Pixels	1984(H) x 1225(V)
Resolution	1920 x 1080
Video Out	AHD : 1080p & 720p / Analog : NTSC/PAL CVBS
S/N Ratio	More than 50dB
Min. Illumination	0.1Lux @F1.2 (Color mode), 0.01Lux @F1.2 (B/W)
Scan Mode	Progressive
Lens	C/CS Mount lens
OSD Control	Built-in
Shutter Speed	Auto / Manual [1/50(60)sec ~ 1/50,000sec], X30
Sens-up	OFF / X2 ~ X30
AGC	OFF / 0 ~ 15
D-WDR	OFF / 0 ~ 8
De-Fog	OFF / AUTO
Back Light	OFF / BLC / HSBLC
White Balance	ATW / AWC / INDOOR / OUTDOOR / MANUAL / AWB
Day & Night	AUTO / COLOR / BW / EXT
SMART IR	ON / OFF
2D-NR	HIGH / MIDDLE / LOW / OFF
3D-NR	HIGH / MIDDLE / LOW / OFF
Freeze	ON / OFF
Mirror	OFF / MIRROR / V-FLIP / ROTATE
Motion Detection	4 Zones
Privacy Mask	4 Zones
Sharpness	0 ~ 10 Steps
Multi Language	English / Russian / German / French / Italian / Spanish / Polish / Portuguese / Dutch / Turkish / Chinese 1, 2
Power Input	DC12V ±10%
Operation Temperature / Humidity	-40℃ ~ 85℃ / 30% ~ 80% RH
Storage Temperature / Humidity	-50℃ ~ 105℃ / 20% ~ 90% RH
Dimension	119.6mm x 65mm x 60mm
Weight	About 300g

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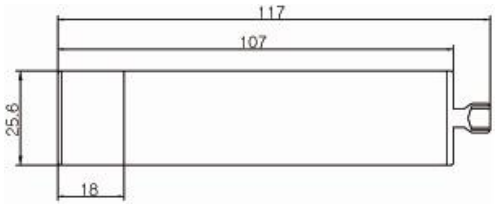
AHD 2.0
Mini. Bullet Camera

- 2 Mp (1080p) • OSD
- 3.6mm Fixed Lens

TBT-AHD760N



Product Image

Dimension

2MP CMOS | AEB AE | 2D-3D NR | Defog | Dead Pixel | Low Shutter | Graphic OSD | DWDR | Sens-up 30x

Model	TBT-AHD760N
Image Sensor	2.0 Mpixel 1/2.8" High Sensitivity Sony CMOS Sensor
Total Pixels	2000(H) x 1241(V)
Effective Pixels	1984(H) x 1225(V)
Resolution	1920 x 1080
Video Out	AHD : 1080p & 720p / Analog : NTSC/PAL CVBS
S/N Ratio	More than 50dB
Min. Illumination	0.1Lux @F1.2 (Color mode), 0.01Lux @F1.2 (B/W)
Scan Mode	Progressive
Lens	3.6mm Fixed lens
OSD Control	Built-in
Shutter Speed	Auto / Manual [1/50(60)sec ~ 1/50,000sec], X30
Sens-up	OFF / X2 ~ X30
AGC	OFF / 0 ~ 15
D-WDR	OFF / 0 ~ 8
De-Fog	OFF / AUTO
Back Light	OFF / BLC / HSBLC
White Balance	ATW / AWC / INDOOR / OUTDOOR / MANUAL / AWB
Day & Night	AUTO / COLOR / BW / EXT
SMART IR	ON / OFF
2D-NR	HIGH / MIDDLE / LOW / OFF
3D-NR	HIGH / MIDDLE / LOW / OFF
Freeze	ON / OFF
Mirror	OFF / MIRROR / V-FLIP / ROTATE
Motion Detection	4 Zones
Privacy Mask	4 Zones
Sharpness	0 ~ 10 Steps
Multi Language	English / Russian / German / French / Italian / Spanish / Polish / Portuguese / Dutch / Turkish / Chinese 1, 2
Power Input	DC12V ±10%
Operation Temperature / Humidity	-40℃ ~ 85℃ / 30% ~ 80% RH
Storage Temperature / Humidity	-50℃ ~ 105℃ / 20% ~ 90% RH
Dimension	25.6mm x 107mm
Weight	About 250g

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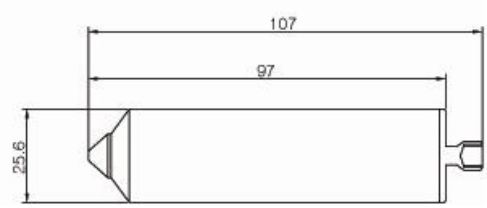
AHD 2.0
Mini. Bullet Camera

- 2 Mp (1080p) • OSD
- 3.7mm Pinhole Lens

TBT-AHD760PN



Product Image

Dimension

2MP CMOS | AEB AE | 2D-3D NR | Defog | Dead Pixel | Low Shutter | Graphic OSD | DWDR | Sens-up 30x

Model	TBT-AHD760PN
Image Sensor	2.0 Mpixel 1/2.8" High Sensitivity Sony CMOS Sensor
Total Pixels	2000(H) x 1241(V)
Effective Pixels	1984(H) x 1225(V)
Resolution	1920 x 1080
Video Out	AHD : 1080p & 720p / Analog : NTSC/PAL CVBS
S/N Ratio	More than 50dB
Min. Illumination	0.1Lux @F1.2 (Color mode), 0.01Lux @F1.2 (B/W)
Scan Mode	Progressive
Lens	3.7mm Pinhole lens
OSD Control	Built-in
Shutter Speed	Auto / Manual [1/50(60)sec ~ 1/50,000sec], X30
Sens-up	OFF / X2 ~ X30
AGC	OFF / 0 ~ 15
D-WDR	OFF / 0 ~ 8
De-Fog	OFF / AUTO
Back Light	OFF / BLC / HSBLC
White Balance	ATW / AWC / INDOOR / OUTDOOR / MANUAL / AWB
Day & Night	AUTO / COLOR / BW / EXT
SMART IR	ON / OFF
2D-NR	HIGH / MIDDLE / LOW / OFF
3D-NR	HIGH / MIDDLE / LOW / OFF
Freeze	ON / OFF
Mirror	OFF / MIRROR / V-FLIP / ROTATE
Motion Detection	4 Zones
Privacy Mask	4 Zones
Sharpness	0 ~ 10 Steps
Multi Language	English / Russian / German / French / Italian / Spanish / Polish / Portuguese / Dutch / Turkish / Chinese 1, 2
Power Input	DC12V ±10%
Operation Temperature / Humidity	-40℃ ~ 85℃ / 30% ~ 80% RH
Storage Temperature / Humidity	-50℃ ~ 105℃ / 20% ~ 90% RH
Dimension	25.6mm x 107mm
Weight	About 250g

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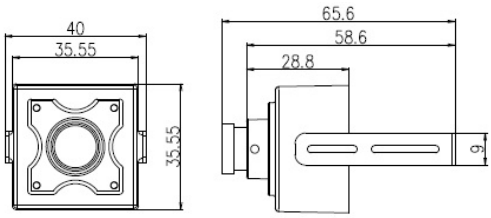
AHD 2.0
Mini. Square Camera

- 2 Mp (1080p) • OSD
- 3.6mm Fixed Lens

TSQ-AHD842N



Product Image

Dimension

2MP CMOS | AEB AE | 2D-3D NR | Defog | Dead Pixel | Low Shutter | Graphic OSD | DWDR | Sens-up 30x

Model	TSQ-AHD842N
Image Sensor	2.0 Mpixel 1/2.8" High Sensitivity Sony CMOS Sensor
Total Pixels	2000(H) x 1241(V)
Effective Pixels	1984(H) x 1225(V)
Resolution	1920 x 1080
Video Out	AHD : 1080p & 720p / Analog : NTSC/PAL CVBS
S/N Ratio	More than 50dB
Min. Illumination	0.1Lux @F1.2 (Color mode), 0.01Lux @F1.2 (B/W)
Scan Mode	Progressive
Lens	3.6mm Fixed lens
OSD Control	Built-in
Shutter Speed	Auto / Manual [1/50(60)sec ~ 1/50,000sec], X30
Sens-up	OFF / X2 ~ X30
AGC	OFF / 0 ~ 15
D-WDR	OFF / 0 ~ 8
De-Fog	OFF / AUTO
Back Light	OFF / BLC / HSBLC
White Balance	ATW / AWC / INDOOR / OUTDOOR / MANUAL / AWB
Day & Night	AUTO / COLOR / BW / EXT
SMART IR	ON / OFF
2D-NR	HIGH / MIDDLE / LOW / OFF
3D-NR	HIGH / MIDDLE / LOW / OFF
Freeze	ON / OFF
Mirror	OFF / MIRROR / V-FLIP / ROTATE
Motion Detection	4 Zones
Privacy Mask	4 Zones
Sharpness	0 ~ 10 Steps
Multi Language	English / Russian / German / French / Italian / Spanish / Polish / Portuguese / Dutch / Turkish / Chinese 1, 2
Power Input	DC12V ±10%
Operation Temperature / Humidity	-40℃ ~ 85℃ / 30% ~ 80% RH
Storage Temperature / Humidity	-50℃ ~ 105℃ / 20% ~ 90% RH
Dimension	35.5mm x 35.5mm
Weight	About 200g

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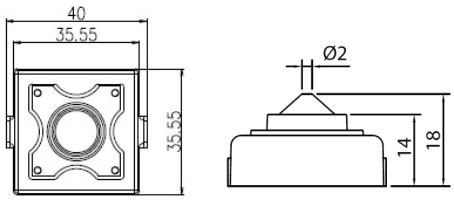
AHD 2.0
Mini. Square Camera

- 2 Mp (1080p)
- 3.7mm Pinhole Lens

TSQ-AHD842PN



Product Image

Dimension

2MP CMOS | AEB AE | 2D-3D NR | Defog | Dead Pixel | Low Shutter | Graphic OSD | DWDR | Sens-up 30x

Model	TSQ-AHD842PN
Image Sensor	2.0 Mpixel 1/2.8" High Sensitivity Sony CMOS Sensor
Total Pixels	2000(H) x 1241(V)
Effective Pixels	1984(H) x 1225(V)
Resolution	1920 x 1080
Video Out	AHD : 1080p & 720p / Analog : NTSC/PAL CVBS
S/N Ratio	More than 50dB
Min. Illumination	0.1Lux @F1.2 (Color mode), 0.01Lux @F1.2 (B/W)
Scan Mode	Progressive
Lens	3.7mm Pinhole lens
OSD Control	Built-in
Shutter Speed	Auto / Manual [1/50(60)sec ~ 1/50,000sec], X30
Sens-up	OFF / X2 ~ X30
AGC	OFF / 0 ~ 15
D-WDR	OFF / 0 ~ 8
De-Fog	OFF / AUTO
Back Light	OFF / BLC / HSBLC
White Balance	ATW / AWC / INDOOR / OUTDOOR / MANUAL / AWB
Day & Night	AUTO / COLOR / BW / EXT
SMART IR	ON / OFF
2D-NR	HIGH / MIDDLE / LOW / OFF
3D-NR	HIGH / MIDDLE / LOW / OFF
Freeze	ON / OFF
Mirror	OFF / MIRROR / V-FLIP / ROTATE
Motion Detection	4 Zones
Privacy Mask	4 Zones
Sharpness	0 ~ 10 Steps
Multi Language	English / Russian / German / French / Italian / Spanish / Polish / Portuguese / Dutch / Turkish / Chinese 1, 2
Power Input	DC12V ±10%
Operation Temperature / Humidity	-40℃ ~ 85℃ / 30% ~ 80% RH
Storage Temperature / Humidity	-50℃ ~ 105℃ / 20% ~ 90% RH
Dimension	35.5mm x 35.5mm
Weight	About 200g

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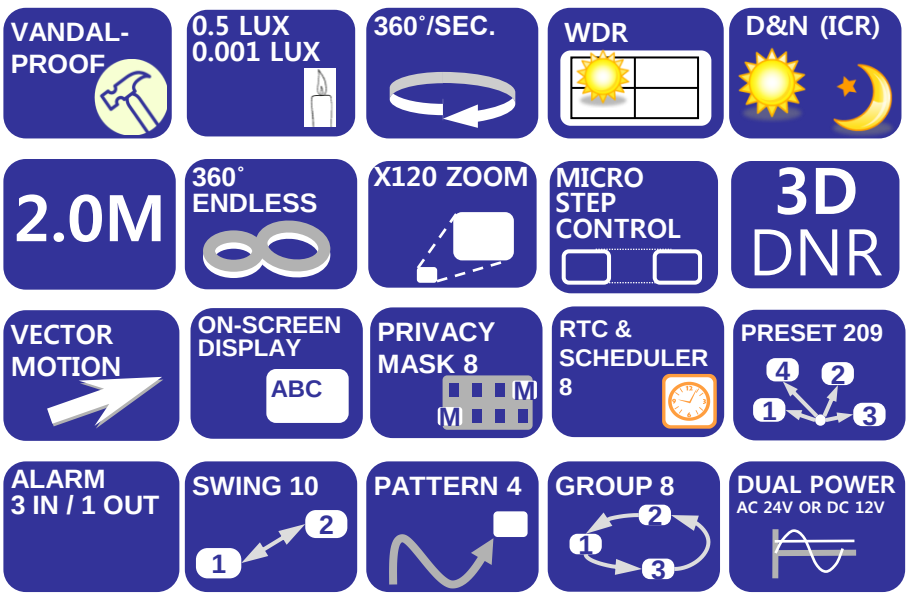
AHD 2.0
PTZ Speed Dome Camera

• 2 Mp (1080p) • Pan & Tilt
• 10x Optical / 12x Digital Zoom

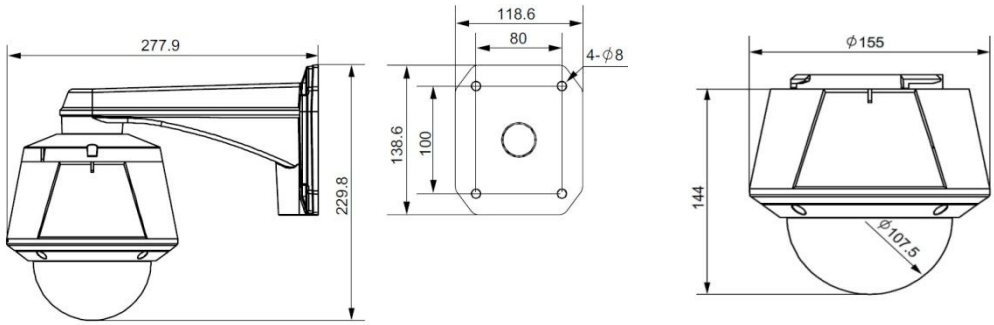
Features

TSD-AHD1410x

- 2.0 Mega-Pixel Full HD Resolution
- AHD2.0 / CVBS Video Output
- 120x Zoom Control (Optical X10 / Digital X12)
- True Day & Night with ICR (IR Cut Filter)
- 3D-DNR (Advanced Digital Noise Reduction)
- D-WDR (Wide Dynamic Range)
- Super Speed (500˚ /SEC.) with 360˚ Endless Pan Rotatior
- The Shortest Path with Vector Drive Technology
- Micro Control (0.05˚ /SEC.) with Micro Stepping Control Technology
- OSD(On-Screen Display) Menu with Password Function
- 8 Privacy Masks with Spherical Coordinates
- 8 Sets of Scheduler Function with RTC(Real Time Clock)
- 255 Presets (46 Presets reserved for Hot Keys) / 10 Swings / 4 Patterns / 8 Groups
- Dual Power Input (AC 24V or DC 12V) / IP67



Dimension



Model		TSD-AHD1410x
Camera	Image Sensor	1/3" Panasonic Progressive Scan CMOS Sensor
	Total no. of Pixels	2,010(H) x 1,108(V), 2,227Pixels
	Zoom	10X Optical Zoom, 12X Digital Zoom
	Focal Length	F1.6~1.8, f=5.1~51.0mm
	Video Signal to Noise	50 dB
	Angle of View	H : 54.0°(Wide)~4.9°(Tele), V : 31.0°(Wide)~4.0°(Tele)
	Focus Control	Auto / Manual / Semi-Auto
	AE Mode	Auto / Iris / Shutter / Manual / Brightness
	AGC	Auto / Manual(Red, Blue Gain Adjustable)
	White Balance	Auto / Manual
	Day & Night	Auto / Day / Night (ICR)
	Minimum Illumination	0.5 Lux(Color) / 0.001Lux (B/W, DSS)
	BLC	ON / OFF
	WDR	ON / OFF
	De-Fog	ON / OFF
	Aperture	Adjustable
	NR (Noise Reduction)	Yes
	Privacy Zone	8 Masks with Spherical Coordinate
Pan/Tilt	Range	Pan : 360°(Endless) / Tilt : 90°
	Pan/Tilt Speed	Preset : 500° / SEC.
		Manual : 0.05° ~ 360° / SEC. (Zoom Proportional)
		Swing : 10°~180° / SEC.
	Preset	128 Presets
	Pattern	4 Patterns [768 Commands(Approximate 5 Minutes) / Pattern]
	Swing	10 Swings
	Group	8 Groups (MAX. 40 Actions with The Combination of Preset, Pattern and Swing)
	Schedule	8 Schedules
	Other Functions	Auto Flip, Auto Parking, Power-up Action & etc.
Video	Output	2 x BNC (AHD and CVBS)
	AHD	AHD 2.0
	CVBS	1Vp-p
	OSD	English (Menu / Time / PTZ information etc, Password protection)
	Real Time Clock	Yes, RTC battery backup time : around 2weeks
Serial Port	Communication	RS-485 for PTZ Control
	Protocol	Pelco-D, Pelco-P Selectable
Sensor / Alarm	Sensor Input	3 Inputs, Photo-Coupler Type, DC 5V~12V
	Alarm Output	1 Output, Relay Output, MAX. Load DC 24V / 1.0A or AC 125V / 0.5A
Physical	Mount Bracket	Wall Mount Bracket or Ceiling Mount Bracket
	Dimension	Dome : Ø150mm / Ø5.9"
		Ceiling Mount : 200(Ø) x 408(H) [mm] / 7.87"(Ø) x 16.1"(H) Wall Mount : 300 x 309(H) [mm] / 11.8" x 12.2"(H)
	Weight	Approximate 3.6 Kg / 7.9 Lbs with Wall Mount Bracket Approximate 3.4 Kg / 7.5 Lbs with Ceiling Mount Bracket
	Material	Dome : Poly Carbonate / Housing : Aluminum
	Rated Power	Dual Power Support : DC 12V / 1.8A or AC 24V / 2.0A
	Waterproof	IP 67
	Fan	Always ON
	Heater	Operation Start from Internal Temperature 10 °C / 50°F
	Operating Temp.	-30°C ~ 50°C / -22°F ~ 122°F

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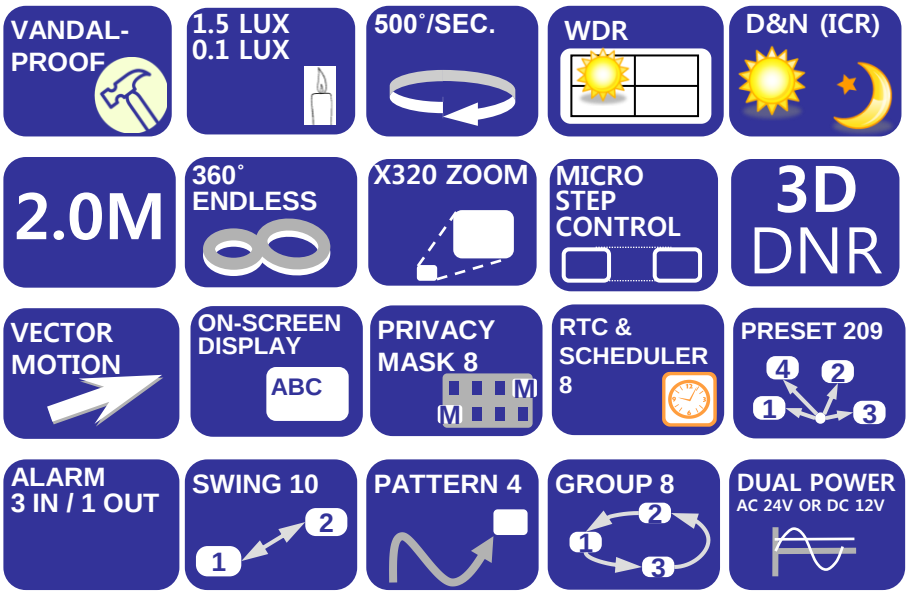
AHD 2.0
PTZ Speed Dome Camera

- 2 Mp (1080p) • Pan & Tilt
- 20x Optical / 16x Digital Zoom

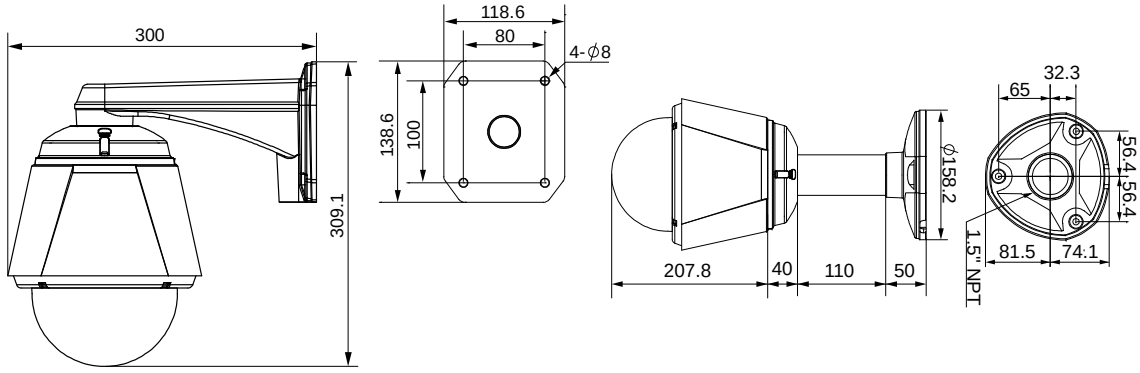
Features

TSD-AHD1420x

- 2.0 Mega-Pixel Full HD Resolution
- AHD2.0 / CVBS Video Output
- 320x Zoom Control (Optical X20 / Digital X16)
- True Day & Night with ICR (IR Cut Filter)
- 3D-DNR (Advanced Digital Noise Reduction)
- D-WDR (Wide Dynamic Range)
- Super Speed (500˚ /SEC.) with 360˚ Endless Pan Rotation
- The Shortest Path with Vector Drive Technology
- Micro Control (0.05˚ /SEC.) with Micro Stepping Control Technology
- OSD(On-Screen Display) Menu with Password Function
- 8 Privacy Masks with Spherical Coordinates
- 8 Sets of Scheduler Function with RTC(Real Time Clock)
- 255 Presets (46 Presets reserved for Hot Keys) / 10 Swings / 4 Patterns / 8 Groups
- Dual Power Input (AC 24V or DC 12V) / IP67



Dimension



Model		TSD-AHD1420x
Camera	Image Sensor	1/3'' Panasonic Progressive Scan CMOS Sensor
	Total no. of Pixels	2,010(H) x 1,108(V), 2,227Pixels
	Zoom	20X Optical Zoom, 16X Digital Zoom
	Focal Length	F1.6~3.5, f=4.7~94.0mm
	Video Signal to Noise	50 dB
	Min. Working Distance	10mm (Wide), 1,000mm (Tele)
	Angle of View	55.4°(Wide) ~ 2.9°(Tele)
	Focus Control	Auto / Manual / Semi-Auto
	Electric Shutter	Auto / Flicker / Manual (1/25,1/30 ~ 1/33,000)
	AGC	Low / Mid / High / Manual (0 ~36dB)
	White Balance	Auto / Manual
	Day & Night	Auto(ICR) / Color / B/W
	Minimum Illumination	1.5 Lux (Color, 1/30sec, 50 IRE) / 0.1 Lux (B/W, 1/4 or 1/3sec, 50 IRE)
	BLC	OFF / BLC / WDR / HLC
	NR (Noise Reduction)	Low / Mid / High / Off
	Privacy Zone	8 Masks with Spherical Coordinate
Pan/Tilt	Range	Pan : 360°(Endless) / Tilt : 90°
	Pan/Tilt Speed	Preset : 500° / SEC. Manual : 0.05° ~ 360° / SEC. (Zoom Proportional) Swing : 10°~180° / SEC.
	Preset	128 Presets
	Pattern	4 Patterns [768 Commands(Approximate 5 Minutes) / Pattern]
	Swing	10 Swings
	Group	8 Groups (MAX. 40 Actions with The Combination of Preset, Pattern and Swing)
	Schedule	8 Schedules
	Other Functions	Auto Flip, Auto Parking, Power-up Action & etc.
Video	Output	2 x BNC (AHD and CVBS)
	AHD	AHD 2.0
	CVBS	1Vp-p
	OSD	English (Menu / Time / PTZ information etc, Password protection)
	Real Time Clock	Yes, RTC battery backup time : around 2weeks
Serial Port	Communication	RS-485 for PTZ Control
	Protocol	Pelco-D, Pelco-P Selectable
Sensor / Alarm	Sensor Input	3 Inputs, Photo-Coupler Type, DC 5V~12V
	Alarm Output	1 Output, Relay Output, MAX. Load DC 24V / 1.0A or AC 125V / 0.5A
Physical	Mount Bracket	Wall Mount Bracket or Ceiling Mount Bracket
	Dimension	Dome : Ø150mm / Ø5.9" Ceiling Mount : 200(Ø) x 408(H) [mm] / 7.87"(Ø) x 16.1"(H) Wall Mount : 300 x 309(H) [mm] / 11.8" x 12.2"(H)
	Weight	Approximate 3.6 Kg / 7.9 Lbs with Wall Mount Bracket Approximate 3.4 Kg / 7.5 Lbs with Ceiling Mount Bracket
	Material	Dome : Poly Carbonate / Housing : Aluminum
	Rated Power	Dual Power Support : DC 12V / 1.8A or AC 24V / 2.0A
	Waterproof	IP 67
	Fan	Always ON
	Heater	Operation Start from Internal Temperature 10 °C / 50°F
	Operating Temp.	-30°C ~ 50°C / -22°F ~ 122°F

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AHD 2.0 (2MP)
Stand Alone DVR

• 4ch / 8ch / 16ch / 32ch • CMS
• 1080p • Mobile View • Hybrid

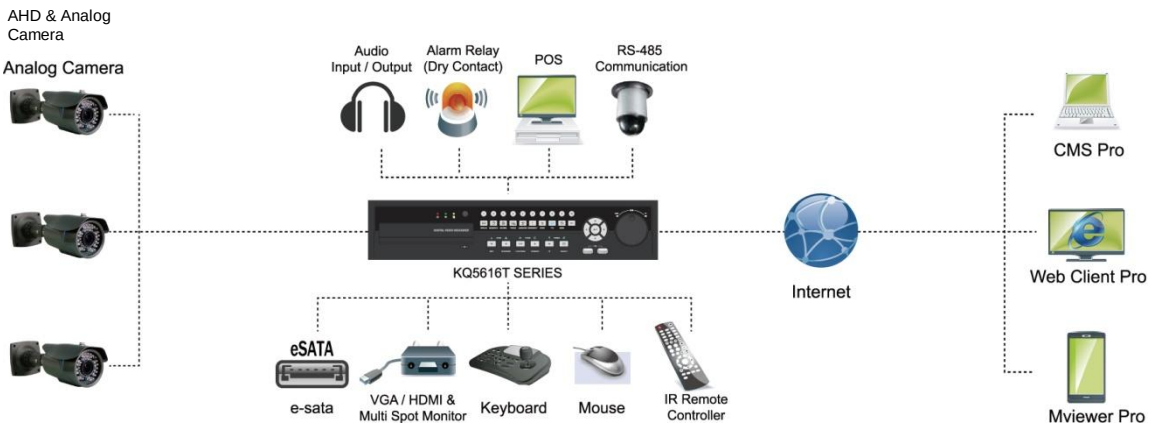
Features

- H.264 High Profile Compression
- Full HD Recording & Playback
- Limitless Genuine Hybrid DVR (HD-TVI & Analog)
- Mobile Viewer for Various OS (iPhone, Anroid)
- Superior Analog Video Quality with 3D-Comb Filter
- Relay Alarm Out Port (Dry Contact Type) with Master Alarm

Image

TVR-TVI04 (4ch) / TVR-AHD08 (8ch)

TVR-AHD16 (16ch) / TVR-AHD32 (32ch)



Dimension

TVR-AHD16 / TVR-AHD32

Model	TVR-AHD04	TVR-AHD08	TVR-AHD16	TVR-AHD32
Compression	H.264 (High Profile)			
Operating System	Embedded Lunux			
OS Firmware	Linux OS in Flash Memory			
Signal Format	AHD (1080p, 720p), NTSC / PAL Auto & Manual			
Memory	1GB DDR3 Memory		2GB DDR3 Memory	
Video Input	4ch BNC	8ch BNC	16ch BNC	32ch BNC
VGA Out	1 Port (Max. 1920 x 1080)			
HDMI Out	1 Port (Max. 1920 x 1080)			
Recording Rate	120fps @ 1080p 30 120fps @ 960H	120fps @ 1080p 30 240fps @ 960H	240fps @ 1080p 30 480fps @ 960H	480fps@1080p 30 960fps @ 960H
Multi. Spot Output	1 Composite			
Audio Input / Output	2 In / 1 Out		16 In / 1 Out	
Alarm Input	2 Input		16 Input	
Alarm Output	1 (TTL) / 1 (Relay)		16 (TTL) / 2 (Relay)	
E-SATA	-		1 Port Supports	
USB 2.0	2 x USB Input		4 x USB Input	
Ethernet	10 / 100 / 1000Mbps Ethernet (RJ-45)			
User Interface (GUI / Control Device)	Keypad / Mouse / PTZ Control / Remote Controll			
Archive File Format	EXE (Video Clip) / AVI (Video Clip) / JPEG (Still Image)			
NTP Server	Yes			
GMT Time Zone	Yes			
Auto DST	Yes			
Recording Qualities	Super / High / Standard / Low			
Recording Modes	Continuous / Alarm / Motion / Emergency			
Motion Detection	Yes (30 x 20)			
Playback Speed	X1, X2, X4, X8, X16, X32, X64, Extreme			
RS-485 Control	RS-485/422 Serial Port 1 (Terminal Block) / RS-486 through BNC			
ATM / POS (Text Insertion)	4			
Central Monitoring Station	CMS Pro (Win) / CMS (Win) / ICMS (Mac.) / XCMS (Linux) / Web Client Pro			
Mobile Viewer	MS Mobile (Professional 6.1 or Higher) / Android / Blackberry / iPhone			
Multi. Lingual	English / Danish / Chinese (Traditional) / Japanese / Korean / Russian / Chinese / Thai / Turkish / Spanish / French / German / Persian / Portuguese / Vietnam / Italian / Arabic			
Primary Storage	1 x SATA		4 x SATA	
E-SATA	x		1 Port	
Clip Copy Storage	USB		Built-in Internal DVDRW, Memory Stick	
Dimension(WxHxD)	290 mm x 50 mm x 274		430mm x 88mm x 430mm	
Operating Temperature	5`C~40`C / 41`F~104`F			
Operating Humidity	0% ~ 90%			
Power Adapter	Free Voltage 12VDC, 6.67A (80W)			
Power Consumption	5A (60W)		6.67A (80W)	
Agency Approval	FCC / CE			

Memo

Tsact

WORLD LEADER IN 2MP AHD SURVEILLANCE

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