TRASSIR®

Advanced video
surveillance technology
for your business

PRODUCT CATALOG 2023

www.trassir.com

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TRASSIR TODAY

We are committed to making our business more effective and our society safer. We achieve this by using state-of-the-art video analytics and efficient artificial intelligence technologies to work with our advanced hardware. We plan to increase our footprint on the international market, where every country poses new challenges and provides us with new and fascinating clients.

21 YEARS
OF EXPERIENCE IN CCTV SURVEILLANCE

5000+
LOYAL CUSTOMERS ALL OVER THE GLOBE

30%
COMPOUND ANNUAL GROWTH RATE

3
R&D CENTERS

35 COUNTRIES WITH TRASSIR INSTALLATIONS

TRASSIR®

CCTV ECOSYSTEM

6 in 1

- VMS
- VIDEO ANALYTICS
- CAMERAS
- NETWORK VIDEO RECORDERS
- ACS
- PRIVATE AND PUBLIC CLOUD

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Advantages of TRASSIR Cameras – Why TRASSIR?

We offer the best experience and expertise for the sustainable business of our partners!

1

THE DRIVER FOR YOUR BUSINESS

Our solution scalability allows you to meet customer needs of any type: from large network retailers to private households.

2

GUARANTEED OPTIMAL SOLUTION

The price to quality ratio and ease of integration makes it just as easy to create new systems as to update existing ones based on competitive solutions.

3

CUSTOMIZATION IS THE KEY TO SOLVING ANY PROBLEM

Our wide range and depth of product integration, as well as product customization, allows you to adapt ready-made solutions for even the most demanding customers.

4

GETTING AHEAD OF SECURITY REQUIREMENTS

Creating a powerful platform that can complete the system to meet the increasing requirements of customers.

5

PREDICTABLE RELIABILITY

The ecosystem at the mono manufacturer eliminates the occurrence of technical failures, and the monitoring system significantly simplifies systems maintenance.

6

INCREASING PARTNER EXPERTISE

Technical personnel training programs and manufacturer support every step of the way.

7

LOGISTICS RELIABILITY AND AFTER SALE SERVICE

Prompt delivery through one of the company's 1,500 points of presence, 24/7 technical support.

8

FULL CYCLE OF SALES AND MARKETING SUPPORT

Many years of experience and success stories to support partner sales: provision of marketing materials, versatile marketing support and the possibility of holding joint negotiations.

«ECO LINE»

Standard cameras

2 MP outdoor camera with IR – illumination up to 30m

TR-D2B5 v2

Model	TR-D2B5
Image sensor	1/2.9" CMOS 2MP
Resolution	FullHD(1920x1080)
Frame rate	FullHD@25fps
Electronic shutter speed	1/2 ~ 1/1 000 s
Day/Night Mode	Mechanical ICR
Sensitivity	0.005Lux (F1.8)
IR range	up to 30 m
Lens (mm)	2.8 / 3.6
Field of view(horiz./vert.)	2.8mm: 98°±5° / 53°±5° 3.6mm: 81°±5° / 44°±5°
WDR	Real WDR(105dB)
Digital noise Reduction	3D DNR
Video compression	H.265+ / H.265 / H.264+ / H.264
Bitrate	up to 8Mbps
IVS	Human detection Line crossing Intrusion detection
Corridor mode	Yes
Power supply	PoE (802.3af) / 12V DC
PoE Class	3
Power consumption	DC: 3.3W PoE: 3.4W
Case material	Metal
Dimensions (mm)	207.6 x 86 x 76.5
Weight Net/Gross (g)	350 / 530
Protection level	IP67
Lightning protection	TVS 4000V
Operating conditions	-40°C ... +60°C

H.265 HEVC WDR IP67

4 MP outdoor camera with IR – illumination up to 30m

TR-D4B5 v2

Model	TR-D4B5
Image sensor	1/3" CMOS 4MP
Resolution	4MP(2560x1440)
Frame rate	4MP@25fps
Electronic shutter speed	1/2 ~ 1/1 000 s
Day/Night Mode	Mechanical ICR
Sensitivity	0.005Lux (F1.8)
IR range	up to 30 m
Lens (mm)	2.8 / 3.6
Field of view(horiz./vert.)	2.8mm: 94˚ / 50˚ 3.6mm: 77˚ / 42˚
WDR	D-WDR (105 dB)
Digital Noise Reduction	3D DNR
Video compression	H.265+ / H.265 / H.264
Bitrate	up to 8Mbps
IVS	Yes
Corridor mode	Yes
Power supply	PoE (802.3af) / 12V DC
PoE Class	0
Power consumption	DC: 3.8W PoE: 4.5W
Case material	Metal
Dimensions (mm)	236.6 x 86 x 76.5
Weight Net/Gross (g)	350 / 530
Protection	IP67
Power surge suppressor	TVS 4000V
Working temperature	-40°C ... +60°C

2 MP outdoor camera with IR – illumination up to 30m

TR-D2B5-noPoE v2

Model	TR-D2B5-noPoE
Image sensor	1/2.9" CMOS 2MP
Resolution	FullHD(1920x1080)
Frame rate	FullHD@25fps
Electronic shutter speed	1/2 ~ 1/1 000 s
Day/Night Mode	Mechanical ICR
Sensitivity	0.005Lux (F1.8)
IR range	up to 30 m
Lens (mm)	3.6
Field of view(horiz./vert.)	81˚±5˚ / 44˚±5˚
WDR	Real WDR(105dB)
Digital noise Reduction	3D DNR
Video compression	H.265+ / H.265 / H.264+ / H.264
Bitrate	up to 8Mbps
IVS	Human detection Line crossing Intrusion detection
Corridor mode	Yes
Power supply	12V DC
Power consumption	3.3W
Case material	Metal
Dimensions (mm)	207.6 x 86 x 76.5
Weight Net/Gross (g)	330 / 510
Protection level	IP67
Lightning protection	TVS 4000V
Operating conditions	-40°C ... +60°C

4 MP outdoor camera with IR – illumination up to 30m

TR-D4B5-noPoE v2

Model	TR-D4B5-noPoE
Image sensor	1/2.7" CMOS 4MP
Resolution	4MP(2688x1520)
Frame rate	4MP@15fps
Electronic shutter speed	1/2 ~ 1/1 000 s
Day/Night Mode	Mechanical ICR
Sensitivity	0.005Lux (F1.8)
IR range	up to 30 m
Lens (mm)	3.6
Field of view(horiz./vert.)	87.3˚ / 56.2˚
WDR	D-WDR
Digital noise Reduction	3D DNR
Video compression	H.265 / H.264
Bitrate	up to 8Mbps
Power supply	12V DC
Power consumption	6.6W
Case material	Metal
Dimensions (mm)	207.6 x 76.5 x 86
Weight Net/Gross (g)	330 / 510
Protection level	IP67
Lightning protection	TVS 4000V
Working temperature	-40°C ... +60°C

2 MP outdoor camera with varifocal lens and IR – illumination up to 35m

TR-D2B6 v2

Model	TR-D2B6
Image sensor	1/2.9" CMOS 2MP
Resolution	FullHD(1920x1080)
Frame rate	FullHD@25fps
Electronic shutter speed	1/2 ~ 1/1 000 s
Day/Night Mode	Mechanical ICR
Sensitivity	0.003Lux (F1.3)
IR range	up to 35 m
Lens (mm)	2.7 - 13.5
Field of view(horiz./vert.)	100˚ - 28˚±5˚ / 55˚ - 16˚±5˚
WDR	Real WDR(105dB)
Digital noise Reduction	3D DNR
Video compression	H.265+ / H.265 / H.264+ / H.264
Bitrate	up to 8 Mbps
IVS	Human detection Line crossing Intrusion detection
Corridor mode	Yes
Power supply	PoE (802.3af) / 12V DC
PoE Class	3
Power consumption	DC: 4.1W PoE: 4.8W
Case material	Metal
Dimensions (mm)	243.6 x 92 x 86.4
Weight Net/Gross (g)	560 / 695
Protection level	IP67
Lightning protection	TVS 4000V
Operating conditions	-40°C ... +60°C

4 MP outdoor camera with varifocal lens and IR – illumination up to 35m

TR-D4B6 v2

Model	TR-D4B6
Image sensor	1/3" CMOS 4MP
Resolution	4MP(2560x1440)
Frame rate	4MP@25fps
Electronic shutter speed	1/2 ~ 1/1 000 s
Day/Night Mode	Mechanical ICR
Sensitivity	0.003Lux (F1.3)
IR range	up to 35 m
Lens (mm)	2.7 - 13.5
Field of view(horiz./vert.)	93˚ - 28˚ / 50˚ - 16˚
WDR	D-WDR (105 dB)
Digital Noise Reduction	3D DNR
Video compression	H.265+ / H.265 / H.264
Bitrate	up to 8 Mbps
IVS	Yes
Corridor mode	Yes
Power supply	PoE (802.3af) / 12V DC
PoE Class	0
Power consumption	DC: 4.6W PoE: 6.2W
Case material	Metal
Dimensions (mm)	243.6 x 92 x 86.4
Weight Net/Gross (g)	560 / 695
Protection	IP67, TVS 4000V
Working temperature	-40°C ... +60°C

2 MP outdoor camera with IR – illumination up to 15m

TR-D2D5 v2

Model	TR-D2D5
Image sensor	1/2.9" CMOS 2MP
Resolution	FullHD(1920x1080)
Frame rate	FullHD@25fps
Electronic shutter speed	1/2 ~ 1/1 000 s
Day/Night Mode	Mechanical ICR
Sensitivity	0.005Lux (F1.8)
IR range	up to 15 m
Lens (mm)	2.8 / 3.6
Field of view(horiz./vert.)	2.8mm: 98˚±5˚ / 53˚±5˚ 3.6mm: 81˚±5˚ / 44˚±5˚
Axes setting	Pan: 0˚-360˚ Tilt: 0˚-80˚
WDR	Real WDR(105dB)
Digital noise Reduction	3D DNR
Video compression	H.265+ / H.265 / H.264+ / H.264
Bitrate	up to 8Mbps
IVS	Human detection Line crossing Intrusion detection
Corridor mode	Yes
Power supply	PoE (802.3af) / 12V DC
PoE Class	3
Power consumption	DC: 2.1W PoE: 2.4W
Case material	Metal
Dimensions (mm)	Ø95 x 63
Weight Net/Gross (g)	295 / 385
Protection level	IP66, IK10
Lightning protection	TVS 4000V
Operating conditions	-40°C ... +60°C

4MP WDR H.265+ HEVC VARIO IR LED IR Cut PoE 12V IP67 -40°

H.265 HEVC WDR IP66 IK10

4 MP outdoor camera with IR – illumination up to 15m

TR-D4D5 v2

Model	TR-D4D5
Image sensor	1/3" CMOS 4MP
Resolution	4MP(2560x1440)
Frame rate	4MP@25fps
Electronic shutter speed	1/2 ~ 1/1 000 s
Day/Night Mode	Mechanical ICR
Sensitivity	0.005Lux (F1.8)
IR range	up to 15 m
Lens (mm)	2.8 / 3.6
Field of view(horiz./vert.)	2.8mm: 94˚ / 50˚ 3.6mm: 77˚ / 42˚
WDR	D-WDR (105 dB)
Digital Noise Reduction	3D DNR
Video compression	H.265+ / H.265 / H.264
Bitrate	up to 8Mbps
IVS	Yes
Corridor mode	Yes
Power supply	PoE (802.3af) / 12V DC
PoE Class	0
Power consumption	DC: 2.6W PoE: 2.9W
Case material	Metal
Dimensions (mm)	Ø95 x 63
Weight Net/Gross (g)	295 / 385
Protection	IP66, IK10, TVS 4000V
Working temperature	-40°C ... +60°C

2 MP indoor camera with IR – illumination up to 25m

TR-D2D2 v2

Model	TR-D2D2
Image sensor	1/2.9" CMOS 2MP
Resolution	FullHD(1920x1080)
Frame rate	FullHD@25fps
Electronic shutter speed	1/2 ~ 1/1 000 s
Day/Night Mode	Mechanical ICR
Sensitivity	0.003Lux (F1.3)
IR range	up to 25 m
Lens (mm)	2.7-13.5
Field of view(horiz./vert.)	100˚ - 28˚±5˚ / 55˚ - 16˚±5˚
Axes setting	Pan: 0˚-360˚ Tilt: 0˚-90˚ Rotation: 0˚-360˚
WDR	Real WDR(105dB)
Digital noise Reduction	3D DNR
Video compression	H.265+ / H.265 / H.264+ / H.264
Bitrate	up to 8Mbps
IVS	Human detection Line crossing Intrusion detection
Corridor mode	Yes
Power supply	PoE (802.3af) / 12V DC
PoE Class	3
Power consumption	DC: 2.7W PoE: 2.9W
Case material	Plastic
Dimensions (mm)	Ø113 x 98
Weight Net/Gross (g)	250 / 350
Working temperature	-10°C ... +50°C

4 MP indoor camera with IR – illumination up to 25m

TR-D4D2 v2

Model	TR-D4D2
Image sensor	1/3" CMOS 4MP
Resolution	4MP(2560x1440)
Frame rate	4MP@25fps
Electronic shutter speed	1/2 ~ 1/1 000 s
Day/Night Mode	Mechanical ICR
Sensitivity	0.003Lux (F1.3)
IR range	up to 25 m
Lens (mm)	2.7 - 13.5
Field of view(horiz./vert.)	93° - 28° / 50° - 16°
WDR	D-WDR (105 dB)
Digital Noise Reduction	3D DNR
Video compression	H.265+ / H.265 / H.264
Bitrate	up to 8Mbps
IVS	Yes
Corridor mode	Yes
Power supply	PoE (802.3af) / 12V DC
PoE Class	4
Power consumption	DC: 4W PoE: 4.6W
Case material	Plastic
Dimensions (mm)	Ø112 x 98.1
Weight Net/Gross (g)	250 / 350
Protection	TVS 4000V
Working temperature	-10°C ... +50°C

2 MP outdoor with IR – illumination up to 25m

TR-D2S5 v2

Model	TR-D2S5
Image sensor	1/2.9" CMOS 2MP
Resolution	FullHD(1920x1080)
Frame rate	FullHD@25fps
Electronic shutter speed	1/2 ~ 1/1 000 s
Day/Night Mode	Mechanical ICR
Sensitivity	0.005Lux (F1.8)
IR range	up to 25 m
Lens (mm)	2.8 / 3.6
Field of view(horiz./vert.)	2.8mm: 98°±5° / 53°±5° 3.6mm: 81°±5° / 44°±5°
Axes setting	Pan: 0°-360° Tilt: 0°-80° Rotation: 0°-360°
WDR	Real WDR(105dB)
Digital noise Reduction	3D DNR
Video compression	H.265+ / H.265 / H.264+ / H.264
Bitrate	up to 8Mbps
IVS	Human detection Line crossing Intrusion detection
Corridor mode	Yes
Power supply	PoE (802.3af) / 12V DC
PoE Class	3
Power consumption	DC: 2.8W PoE: 3.4W
Case material	Metal
Dimensions (mm)	Ø106 x 73.5
Weight Net/Gross (g)	335 / 430
Protection level	IP66
Lightning protection	TVS 4000V
Operating conditions	-40°C ... +60°C

2 MP outdoor with IR – illumination up to 25m

TR-D2S5-noPoE v2

Model	TR-D2S5-noPoE
Image sensor	1/2.9" CMOS 2MP
Resolution	FullHD(1920x1080)
Frame rate	FullHD@25fps
Electronic shutter speed	1/2 ~ 1/1 000 s
Day/Night Mode	Mechanical ICR
Sensitivity	0.005Lux (F1.8)
IR range	up to 25 m
Lens (mm)	3.6
Field of view(horiz./vert.)	81˚±5˚ / 44˚±5˚
Axes setting	Pan: 0˚-360˚
	Tilt: 0˚-80˚
	Rotation: 0˚-360˚
WDR	Real WDR(105dB)
Digital Noise Reduction	3D DNR
Video compression	H.265+ / H.265 / H.264+ / H.264
Bitrate	up to 8Mbps
IVS	Human detection
	Line crossing
	Intrusion detection
Corridor mode	Yes
Power supply	12V DC
Power consumption	2.8W
Case material	Metal
Dimensions (mm)	Ø106 x 73.5
Weight Net/Gross (g)	315 / 410
Protection level	IP66
Lightning protection	TVS 4000V
Operating conditions	-40°C ... +60°C

4 MP outdoor camera with IR – illumination up 25m

TR-D4S5 v2

Model	TR-D4S5
Image sensor	1/3" CMOS 4MP
Resolution	4MP(2560x1440)
Frame rate	4MP@25fps
Electronic shutter speed	1/2 ~ 1/1 000 s
Day/Night Mode	Mechanical
Sensitivity	0.005Lux (F1.8)
IR range	up 25 m
Lens (mm)	2.8 / 3.6
Field of view(horiz./vert.)	2.8mm: 94˚ / 50˚
	3.6mm: 77˚ / 42˚
WDR	D-WDR (105 dB)
Digital Noise Reduction	3D DNR
Video compression	H.265+ / H.265 / H.264
Bitrate	up to 8Mbps
IVS	Yes
Corridor mode	Yes
Power supply	PoE (802.3af) / 12V DC
PoE Class	0
Power consumption	DC: 3.5W
	PoE: 4.1W
Case material	Metal
Dimensions (mm)	Ø105.5 x 72
Weight Net/Gross (g)	335 / 430
Protection	IP66, TVS 4000V
Working temperature	-40°C ... +60°C

2 MP indoor camera with IR – illumination up to 20m

TR-D2S1 v2

Model	TR-D2S1
Image sensor	1/2.9" CMOS 2MP
Resolution	FullHD(1920x1080)
Frame rate	FullHD@25fps
Electronic shutter speed	1/2 ~ 1/1 000 s
Day/Night Mode	Mechanical ICR
Sensitivity	0.005Lux (F1.8)
IR range	up to 20 m
Lens (mm)	3.6
Field of view(horiz./vert.)	81˚±5˚ / 44˚±5˚
Axes setting	Pan: 0˚-360˚ Tilt: 0˚-80˚ Rotation: 0˚-360˚
WDR	Real WDR(105dB)
Digital noise Reduction	3D DNR
Video compression	H.265+ / H.265 / H.264+ / H.264
Bitrate	up to 8Mbps
IVS	Human detection Line crossing Intrusion detection
Corridor mode	Yes
Power supply	PoE (802.3af) / 12V DC
PoE Class	3
Power consumption	DC: 2.3W PoE: 2.4W
Case material	Plastic
Dimensions (mm)	Ø109.98x98.50
Weight Net/Gross (g)	205 / 300
Operating conditions	-10°C ... +50°C

H.265 HEVC WDR

2 MP indoor camera with IR – illumination up to 20m

TR-D2S1-no PoE v2

Model	TR-D2S1-noPoE
Image sensor	1/2.9" CMOS 2MP
Resolution	FullHD(1920x1080)
Frame rate	FullHD@25fps
Electronic shutter speed	1/2 ~ 1/1 000 s
Day/Night Mode	Mechanical ICR
Sensitivity	0.005Lux (F1.8)
IR range	up to 20 m
Lens (mm)	3.6
Field of view(horiz./vert.)	81˚±5˚ / 44˚±5˚
Axes setting	Pan: 0˚-360˚ Tilt: 0˚-80˚ Rotation: 0˚-360˚
WDR	Real WDR(105dB)
Digital noise Reduction	3D DNR
Video compression	H.265+ / H.265 / H.264+ / H.264
Bitrate	up to 8Mbps
IVS	Human detection Line crossing Intrusion detection
Corridor mode	Yes
Power supply	12V DC
Power consumption	2.3W
Case material	Plastic
Dimensions (mm)	Ø109.98x98.50
Weight Net/Gross (g)	205 / 300
Operating conditions	-10°C ... +50°C

H.265 HEVC WDR

4 MP indoor camera with IR – illumination up to 20m

TR-D4S1 v2

Model	TR-D4S1
Image sensor	1/2.7" CMOS 4MP
Resolution	4MP(2688x1520)
Frame rate	4MP@15fps
Electronic shutter speed	1/2 ~ 1/1 000 s
Day/Night Mode	Mechanical ICR
Sensitivity	0.005Lux (F1.8)
IR range	up to 20 m
Lens (mm)	3.6
Field of view(horiz./vert.)	2.8mm: 110° / 71° 3.6mm: 87.3° / 56.2°
WDR	D-WDR
Digital Noise Reduction	3D DNR
Video compression	H.265 / H.264
Bitrate	up to 8Mbps
Power supply	PoE (802.3af) / 12V DC
PoE Class	3
Power consumption	DC: 6.5W PoE: 6.8W
Case material	Plastic
Dimensions (mm)	Ø110 x 93.2
Weight Net/Gross (g)	205 / 300
Operating conditions	-10°C ... +50°C

4MP WDR H.265+ HEVC IR LED IR Cut PoE 12V

«TREND LINE»

IP cameras for basic analytics

2 MP outdoor FTC camera with IR – illumination up to 35 m

TR-D2121CL3

Model	TR-D2121CL3
Image sensor	1/2.8" CMOS 2MP
Resolution	FullHD(1920x1080)
Frame rate	FullHD@25fps
Electronic shutter speed	1/2 ~ 1/1 000 s
Day/Night mode	FTC
Sensitivity	0.0015Lux (F1.0) / 0Lux (LED on)
LED range	up to 35 m
Lens (mm)	2.8 / 4.0
Field of view (horiz./vert.)	2.8 mm: 105˚ / 55˚ 4.0 mm: 81˚ / 44˚
Axes setting	Pan: 0˚-360˚ Tilt: 0˚-105˚ Rotation: 360˚
WDR	Real WDR (120dB)
Digital noise reduction	3D DNR
Video compression	H.265+ / H.265 / H.264+ / H.264
Bitrate	up to 8Mbps
Local storage	MicroSD up to 128GB
Audio	Built-in microphone
Corridor mode	Yes
IVS	Human detection Line crossing Intrusion detection
Power supply	PoE (802.3af) / 12V DC
PoE Class	0
Power consumption	DC: 3.36W PoE: 4.8W
Case material	Metal
Dimensions (mm)	184.7 x 66.5 x 63
Weight Net/Gross (g)	480 / 580
Ingress protection	IP67
Lightning protection	TVS 4000V
Working temperature	-40°C ... +60°C

2 MP outdoor FTC camera with IR – illumination up to 60m

TR-D2123ZCL6

Model	TR-D2123ZCL6
Image sensor	1/2.8" CMOS 2MP
Resolution	FullHD(1920x1080)
Frame rate	FullHD@25fps
Electronic shutter speed	1/2 ~ 1/1 000 s
Day/Night mode	FTC
Sensitivity	0.0015Lux (F1.0) / 0Lux (LED on)
LED range	up to 60 m
Lens (mm)	2.7 - 13.5
Field of view (horiz./vert.)	95˚- 37˚/ 50˚- 20˚
Axes setting	Pan: 0˚-360˚ Tilt: 0˚-105˚ Rotation: 0˚-360˚
WDR	Real WDR (120dB)
Digital noise reduction	3D DNR
Video compression	H.265+ / H.265 / H.264+ / H.264
Bitrate	up to 8Mbps
Local storage	MicroSD up to 128GB
Audio	Built-in microphone
Corridor mode	Yes
IVS	Human detection Line crossing Intrusion detection
Power supply	PoE (802.3af) / 12V DC
PoE Class	0
Power consumption	DC: 8.88W PoE: 9.6W
Case material	Metal
Dimensions (mm)	234.3 x 77.5 x 73.4
Weight Net/Gross (g)	635 / 830
Ingress protection	IP67, IK08
Lightning protection	TVS 4000V
Working temperature	-40°C ... +60°C

2 MP outdoor Wi-Fi FTC camera for night shooting

TR-D2121CL3W

Model	TR-D2121CL3W
Image sensor	1/2.8" CMOS 2MP
Resolution	FullHD(1920x1080)
Frame rate	FullHD@25fps
Electronic shutter speed	1/2 ~ 1/1 000 s
Day/Night mode	FTC
Sensitivity	0.0015Lux (F1.0) / 0Lux (LED on)
LED range	up to 35 m
Lens (mm)	2.8 / 4.0
Field of view (horiz./vert.)	2.8 mm: 105˚ / 54˚ 4.0 mm: 81˚ / 44˚
Axes setting	Pan: 0˚-360˚ Tilt: 0˚-105˚ Rotation: 360˚
WDR	Real WDR (120dB)
Digital noise reduction	3D DNR
Video compression	H.265+ / H.265 / H.264+ / H.264
Bitrate	up to 8Mbps
Local storage	MicroSD up to 128GB
Audio	Built-in microphone Built-in speaker
Corridor mode	Yes
IVS	Human detection Line crossing Intrusion detection
Power supply	12V DC
Power consumption	DC: 4.44 W
Case material	Metal
Dimensions (mm)	184.7 x 159.3 x 68
Weight Net/Gross (g)	480 / 590
Ingress protection	IP66
Lightning protection	TVS 4000V
Working temperature	-40°C ... +60°C

2 MP wireless compact camera with IR – illumination up to 35m

TR-D2121IR3W v3

Model	TR-D2121IR3W
Image sensor	1/2.7" CMOS 2MP
Resolution	FullHD(1920x1080)
Frame rate	FullHD@25fps
Electronic shutter speed	1/2 ~ 1/1 000 s
Day/Night mode	Mechanical ICR
Sensitivity	0.005Lux (F1.8)
IR range	up to 35 m
Lens (mm)	2.8 / 3.6
Field of view (horiz./vert.)	2.8мм: 100˚±5˚ / 54˚±5˚ 3.6мм: 82˚±5˚ / 44˚±5˚
Axes setting	Pan: 0˚-360˚ Tilt: 0˚-105˚ Rotation: 360˚
WDR	Real WDR (120dB)
Digital Noise Reduction	3D DNR
Video compression	H.265+ / H.265 / H.264+ / H.264
Bitrate	up to 8Mbps
Local storage	MicroSD up to 128GB
Audio	Built-in microphone
Corridor mode	Yes
Wi-Fi	2.4 Ghz
IVS	Human detection Line crossing Intrusion detection
Power	12V DC
Power consumption	3.9 W
Casing material	Metal
Dimensions (mm)	183.3 x 67.3 x 63.9
Net/Gross weight (g)	460 / 565
Ingress protection	IP67
Working temperature	-40°C ... +60°C

2 MP outdoor camera with IR – illumination up to 35m

TR-D2121IR3 v6

Model	TR-D2121IR3
Image sensor	1/2.7" CMOS 2MP
Resolution	FullHD(1920x1080)
Frame rate	FullHD@25fps
Electronic shutter speed	1/2 ~ 1/1 000 s
Day/Night mode	Mechanical ICR
Sensitivity	0.005Lux (F1.8)
IR range	up to 35 m
Lens (mm)	2.8 / 3.6
Field of view (horiz./vert.)	2.8mm: 100˚±5˚ / 54˚±5˚ 3.6mm: 82˚±5˚ / 44˚±5˚
Axes setting	Pan: 0˚-360˚ Tilt: 0˚-105˚ Rotation: 360˚
WDR	Real WDR (120dB)
Digital noise reduction	3D DNR
Video compression	H.265+ / H.265 / H.264+ / H.264
Bitrate	up to 8Mbps
Local storage	MicroSD up to 128GB
Audio	Built-in microphone
Corridor mode	Yes
IVS	Yes
Power supply	PoE (802.3af) / 12V DC
PoE Class	0
Power consumption	DC: 3.4W PoE: 3.9W
Case material	Metal
Dimensions (mm)	184.67x66.50x63.05
Weight Net/Gross (g)	460 / 565
Protection	IP67
Power surge suppressor	TVS 4000V
Working temperature	-40°C ... +60°C

5 MP outdoor camera with IR – illumination up to 35m

TR-D2151IR3 v2

Model	TR-D2151IR3
Image sensor	1/2.8" CMOS 5MP
Resolution	5MP(2560x1920) 4MP(2560x1440) 3MP(2304x1280)
Frame rate	5MP@25fps 4MP@25fps 3MP@25fps
Electronic shutter speed	1/2 ~ 1/1 000 s
Day/Night mode	Mechanical ICR
Sensitivity	0.003Lux (F1.8)
IR range	up to 35 m
Lens (mm)	2.8 / 3.6
Field of view (horiz./vert.)	2.8mm: 96˚ / 69˚ 3.6mm: 80˚ / 58˚
Axes setting	Pan: 0˚-360˚ Tilt: 0˚-90˚ Rotation: 0˚-360˚
WDR	Real WDR (120dB)
Digital noise reduction	3D DNR
Video compression	H.265+ / H.265 / H.264
Bitrate	up to 8Mbps
Local storage	MicroSD up to 128GB
Audio	Built-in microphone
Corridor mode	Yes
IVS	Yes
RTC	No
Power supply	PoE (802.3af) / 12V DC
PoE Class	0
Power consumption	DC: 4.9W PoE: 5.5W
Case material	Metal
Dimensions (mm)	184.67x66.50x63.05
Weight Net/Gross (g)	460 / 565
Protection	IP67
Power surge suppressor	TVS 4000V
Working temperature	-40°C ... +60°C

2 MP outdoor camera with motorized lens and IR – illumination up to 35m

TR-D2122ZIR3 v6

Model	TR-D2122ZIR3
Image sensor	1/2.7" CMOS 2MP
Resolution	FullHD(1920x1080)
Frame rate	FullHD@25fps
Electronic shutter speed	1/2 ~ 1/1 000 s
Day/Night mode	Mechanical ICR
Sensitivity	0.003Lux (F1.6)
IR range	up to 35 m
Lens (mm)	2.8 - 8 (motorized)
Field of view (horiz./vert.)	91˚-54˚±5˚ / 50˚-30˚±5˚
Axes setting	Pan: 0˚-360˚ Tilt: 0˚-105˚ Rotation: 360˚
WDR	Real WDR (120dB)
Digital noise reduction	3D DNR
Video compression	H.265+ / H.265 / H.264+ / H.264
Bitrate	up to 8Mbps
Local storage	MicroSD up to 128GB
Audio	Built-in microphone
Corridor mode	Yes
IVS	Human Detection Line Crossing Intrusion Detection
Power supply	PoE (802.3af) / 12V DC
PoE Class	3
Power consumption	DC: 5.4W PoE: 5.8W
Case material	Metal
Dimensions (mm)	184.67x66.50x63.05
Weight Net/Gross (g)	460 / 565
Ingress protection	IP67
Lightning protection	TVS 4000V
Working temperature	-40°C ... +60°C

5 MP outdoor camera with motorized lens and IR – illumination up to 35m

TR-D2152ZIR3 v2

Model	TR-D2152ZIR3
Image sensor	1/2.8" CMOS 5MP
Resolution	5MP(2560x1920) 4MP(2560x1440) 3MP(2304x1280)
Frame rate	5MP@25fps 4MP@25fps 3MP@25fps
Electronic shutter speed	1/2 ~ 1/1 000 s
Day/Night mode	Mechanical ICR
Sensitivity	0.003Lux (F1.8)
IR range	up to 35 m
Lens (mm)	2.8 - 8 (motorzoom)
Field of view (horiz./vert.)	85˚~50˚±5˚/ 62˚~38˚±5˚
Axes setting	Pan: 0˚-360˚ Tilt: 0˚-90˚ Rotation: 0˚-360˚
WDR	Real WDR (120dB)
Digital noise reduction	3D DNR
Video compression	H.265+ / H.265 / H.264
Bitrate	up to 8Mbps
Local storage	MicroSD up to 128GB
Audio	Built-in microphone
Corridor mode	Yes
IVS	Yes
RTC	No
Power supply	PoE (802.3af) / 12V DC
PoE Class	0
Power consumption	DC: 5.9W PoE: 7.7W
Case material	Metal
Dimensions (mm)	184.67x66.50x63.05
Weight Net/Gross (g)	460 / 565
Protection	IP67
Power surge suppressor	TVS 4000V
Working temperature	-40°C ... +60°C

2 MP outdoor camera with varifocal lens and
IR – illumination up to 60m

TR-D2123IR6 v6

Model	TR-D2123IR6
Image sensor	1/2.7" CMOS 2MP
Resolution	FullHD(1920x1080)
Frame rate	FullHD@25fps
Electronic shutter speed	1/2 ~ 1/1 000 s
Day/Night mode	Mechanical ICR
Sensitivity	0.003Lux (F1.6)
IR range	up to 60 m
Lens (mm)	2.7 - 13.5
Field of view (horiz./vert.)	100˚-28˚±5˚ / 56˚-15˚±5˚
WDR	Real WDR (120dB)
Digital noise reduction	3D DNR
Video compression	H.265+ / H.265 / H.264+ / H.264
Bitrate	up to 8Mbps
Local storage	MicroSD up to 128GB
Audio	Built-in microphone 1 in / 1 out
Alarm In / Out	1 / 1
Corridor mode	Yes
IVS	Human detection Line crossing Intrusion detection
Power supply	PoE (802.3af) / 12V DC
PoE Class	3
Power consumption	DC: 5.4W PoE: 5.8W
Case material	Metal
Dimensions (mm)	234.33x77.5x75.31
Weight Net/Gross (g)	635 / 830
Ingress protection	IP67, IK08
Lightning protection	TVS 4000V
Working temperature	-40°C ... +60°C

5 MP outdoor camera with varifocal lens and
IR – illumination up to 60m

TR-D2153IR6 v2

Model	TR-D2153IR6
Image sensor	1/2.8" CMOS 5MP
Resolution	5MP(2560x1920) 4MP(2560x1440) 3MP(2304x1280)
Frame rate	5MP@25fps 4MP@25fps 3MP@25fps
Electronic Shutter Speed	1/2 ~ 1/1 000 c
Day/Night Mode	Mechanical ICR
Sensitivity	0.002Lux (F1.8)
IR range	up to 60 m
Lens (mm)	2.7 - 13.5
Field of view (horiz./vert.)	93˚-29˚ / 69˚-22˚
Axes setting	Pan: 0˚-360˚ Tilt: 0˚-105˚ Rotation: 0˚-360˚
WDR	Real WDR (120dB)
Digital noise reduction	3D DNR
Video compression	H.265+ / H.265 / H.264
Bitrate	up to 8Mbps
Local storage	MicroSD up to 128Gb
Audio	Built-in microphone 1 in / 1 out
Alarm In / Out	1 / 1
Corridor mode	Yes
IVS	Yes
RTC	No
Power supply	PoE (802.3af) / 12V DC
Class PoE	0
Power consumption	DC: 7.8W PoE: 8.4W
Case material	Metall
Dimensions (mm)	234.33x77.5x75.31
Weight Net/Gross (g)	635 / 830
Protection	IP67, IK08
Power surge suppressor	TVS 4000V
Working temperature	-40°C ... +60°C

8MP outdoor camera with IR – illumination up to 30m

TR-D2181IR3 v3

Model	TR-D2181IR3
Image sensor	1/2.7" CMOS 8MP
Resolution	8MP(3840x2160) 5MP(2592x1944)
Frame rate	50Hz: 8M@15fps, 5M@25fps 60Hz: 8M@15fps, 5M@30fps
Electronic shutter speed	1/3 ~ 1/10 000 s
Day/Night mode	Mechanical ICR
Sensitivity	0.005Lux (F1.8)
IR range	up to 30 m
Lens (mm)	2.8 / 3.6
Field of view (horiz./vert.)	2.8mm: 105˚ / 56˚ 3.6mm: 87˚ /47˚
Axes setting	Pan: 0˚- 360˚ Tilt: 0˚- 90˚ Rotation: 0˚- 360˚
WDR	Real WDR (120dB)
Digital noise reduction	3D DNR
Video compression	H.265+ / H.265 / H.264+ / H.264
Bitrate	up to 10Mbps
Local storage	MicroSD up to 128GB
Audio	Built-in microphone
Corridor mode	Yes
IVS	Yes
Power supply	PoE (802.3af) / 12V DC
PoE Class	0
Power consumption	DC: 6.8W PoE: 6.8W
Case material	Metal
Dimensions (mm)	176.2 x 68 x 68
Weight Net/Gross (g)	364 / 435
Protection	IP67
Power surge suppressor	TVS 4000V
Working temperature	-40°C ... +60°C

H.265+ HEVC | Real WDR | IP67

8 MP outdoor camera with IR – illumination up to 60m

TR-D2183IR6 v3

Model	TR-D2183IR6
Image sensor	1/2.7" CMOS 8MP
Resolution	8MP(3840x2160) 5MP(2592x1944)
Frame rate	50Hz: 8M@15fps, 5M@25fps 60Hz: 8M@15fps, 5M@30fps
Electronic shutter speed	1/3 ~ 1/10 000 s
Day/Night mode	Mechanical ICR
Sensitivity	0.003Lux(F1.3)
IR range	up to 60 m
Lens (mm)	2.7 - 13.5
Field of view (horiz./vert.)	113˚ - 31˚ / 58˚ - 17˚
Axes setting	Pan: 0˚- 360˚ Tilt: 0˚-90˚ Rotation: 0˚-360˚
WDR	Real WDR (120dB)
Digital noise reduction	3D DNR
Video compression	H.265+ / H.265 / H.264+ / H.264
Bitrate	up to 10Mbps
Local storage	MicroSD up to 128GB
Audio	Built-in microphone 1 in / 1 out
Alarm	1 / 1
Corridor mode	Yes
IVS	Yes
Power supply	PoE (802.3af) / 12V DC
PoE Class	0
Power consumption	DC: 9W PoE: 9.38W
Case material	Metal
Dimensions (mm)	Ø74.5 x 215.8
Weight Net/Gross (g)	726 / 861
Protection	IP67
Power surge suppressor	TVS 4000V
Working temperature	-40°C ... +60°C

H.265+ HEVC | Real WDR | IP67

8 MP outdoor camera with motorized lens and IR – illumination up to 60m

TR-D2183ZIR6 v3

Model	TR-D2183ZIR6
Image sensor	1/2.7" CMOS 8MP
Resolution	8MP(3840x2160) 5MP(2592x1944)
Frame rate	50Hz: 8M@15fps, 5M@25fps 60Hz: 8M@15fps, 5M@30fps
Electronic shutter speed	1/3 ~ 1/10 000 s
Day/Night mode	Mechanical ICR
Sensitivity	0.003Lux (F1.3)
IR range	up to 60 m
Lens (mm)	2.7 - 13.5 (motorzoom)
Field of view (horiz./vert.)	113˚ - 31˚ / 58˚ - 17˚
Axes setting	Pan: 0˚-360˚ Tilt: 0˚-90˚ Rotation: 0˚-360˚
WDR	Real WDR (120dB)
Digital noise reduction	3D DNR
Video compression	H.265+ / H.265 / H.264+ / H.264
Bitrate	up to 10Mbps
Local storage	MicroSD up to 128GB
Audio	Built-in microphone
Alarm	1 in / 1 out 1 / 1
Corridor mode	Yes
IVS	Yes
Power supply	PoE (802.3af) / 12V DC
PoE Class	0
Power consumption	DC: 8.4W PoE: 11.64W
Case material	Metal
Dimensions (mm)	Ø74.5 x 215.8
Weight Net/Gross (g)	726 / 861
Protection	IP67
Power surge suppressor	TVS 4000V
Working temperature	-40°C ... +60°C

2 MP outdoor camera with IR – illumination up to 25m

TR-D3121IR2 v6

Model	TR-D3121IR2
Image sensor	1/2.7" CMOS 2MP
Resolution	FullHD(1920x1080)
Frame rate	FullHD@25fps
Electronic shutter speed	1/2 ~ 1/1 000 s
Day/Night mode	Mechanical ICR
Sensitivity	0.005Lux (F1.8)
IR range	up to 25 m
Lens (mm)	2.8 / 3.6
Field of view (horiz./vert.)	2.8мм: 100˚±5˚ / 54˚±5˚ 3.6мм:82˚±5˚ / 44˚±5˚
Axes setting	Pan: 0°–340° Tilt: 0°–70°
WDR	Real WDR (120dB)
Digital Noise Reduction	3D DNR
Video compression	H.265+ / H.265 / H.264+ / H.264
Bitrate	up to 8Mbps
Local storage	MicroSD up to 128GB
Audio	Built-in microphone
Corridor mode	Yes
IVS	Human detection Line crossing Intrusion detection
Power supply	PoE (802.3af) / 12V DC
PoE Class	3
Power consumption	DC: 3.6W PoE: 3.9W
Case material	Metal
Dimensions (mm)	Ø116.10 x 96.51
Net/Gross weight (г)	450 / 580
Ingress protection	IP66, IK10
Lightning protection	TVS 4000V
Working temerature	-40°C ... +60°C

5 MP outdoor camera with IR – illumination up to 25m

TR-D3151IR2 v2

Model	TR-D3151IR2
Image sensor	1/2.8" CMOS 5MP
Resolution	5MP(2560x1920) 4MP(2560x1440) 3MP(2304x1280)
Frame rate	5MP@25fps 4MP@25fps 3MP@25fps
Electronic Shutter Speed	1/2 ~ 1/1 000 c
Day/Night Mode	Mechanical ICR
Sensitivity	Lux 0.003 (F1.8)
IR range	up to 25 m
Lens (mm)	2.8 / 3.6
Field of view (horiz./vert.)	2.8mm: 96˚ / 69˚ 3.6mm: 80˚ / 58˚
Axes setting	Pan: 0˚-360˚ Tilt: 0˚-80˚ Rotation: 0˚-360˚
WDR	Real WDR (120dB)
Digital noise reduction	3D DNR
Video compression	H.265+ / H.265 / H.264
Bitrate	up to 8Mbps
Local storage	MicroSD up to 128Gb
Audio	Built-in microphone
Corridor mode	Yes
IVS	Yes
RTC	No
Power supply	PoE (802.3af) / 12V DC
Class PoE	3
Power consumption	DC: 5.2W PoE: 5.8W
Case material	Metall
Dimensions (mm)	Ø116.10 x 96.51
Weight Net/Gross (g)	450 / 580
Protection	IP66, IK10
Power surge suppressor	TVS 4000V
Working temperature	-40°C ... +60°C

8 MP outdoor camera with IR – illumination up to 30m

TR-D3181IR3 v3

Model	TR-D3181IR3
Image sensor	1/2.7" CMOS 8MP
Resolution	8MP(3840x2160) 5MP(2592x1944)
Frame rate	50Hz: 8M@15fps, 5M@25fps 60Hz: 8M@15fps, 5M@30fps
Electronic shutter speed	1/3 ~ 1/10 000 s
Day/Night mode	Mechanical ICR
Sensitivity	0.005Lux (F1.8)
IR range	up to 30 m
Lens (mm)	2.8 / 3.6
Field of view (horiz./vert.)	2.8mm: 105˚ / 56˚ 3.6mm: 87˚ / 47˚
Axes setting	Pan: 0˚-355˚ Tilt: 0˚-75˚ Rotation: 0˚-355˚
WDR	Real WDR (120dB)
Digital noise reduction	3D DNR
Video compression	H.265+ / H.265 / H.264+ / H.264
Bitrate	up to 10Mbps
Local storage	MicroSD up to 128GB
Audio	Built-in microphone
Corridor mode	Yes
IVS	Yes
Power supply	PoE (802.3af) / 12V DC
PoE Class	0
Power consumption	DC: 4.5W PoE: 4.44W
Case material	Metal
Dimensions (mm)	Ø112.2 x 89.7
Weight Net/Gross (g)	480/ 520
Protection	IP67, IK10
Power surge suppressor	TVS 4000V
Working temperature	-40°C ... +60°C

2 MP outdoor camera with IR – illumination up to 15m

TR-D4121IR1 v6

Model	TR-D4121IR1
Image sensor	1/2.7" CMOS 2MP
Resolution	FullHD(1920x1080)
Frame rate	FullHD@25fps
Electronic shutter speed	1/2 ~ 1/1 000 s
Day/night mode	Mechanical ICR
Sensitivity	0.005Lux (F1.8)
IR range	up to 15 m
Lens (mm)	2.8 / 3.6
Field of view (horiz./vert.)	2.8mm: 100˚±5˚ / 54˚±5˚ 3.6mm: 82˚±5˚ / 44˚±5˚
Axes setting	Pan: 0˚ Tilt: 0˚-90˚ Rotation: 0˚-55˚
WDR	Real WDR (120dB)
Digital noise reduction	3D DNR
Video compression	H.265+ / H.265 / H.264+ / H.264
Bitrate	up to 8Mbps
Local storage	MicroSD up to 128Г6
Audio	Built-in microphone 1 in / 1 out
Corridor mode	Yes
IVS	Human detection Line crossing Intrusion detection
RTC	Yes
Power supply	PoE (802.3af) / 12V DC
PoE Class	3
Power consumption	DC: 2.5W PoE: 2.8W
Case material	Metal
Dimensions (mm)	Ø102.20 x 56.38
Net/Gross weight (g)	310 / 400
Ingress protection	IP66, IK10
Lightning protection	TVS 4000V
Working temperature	-40°C ... +60°C

5 MP outdoor camera with IR – illumination up to 15m

TR-D4151IR1 v2

Model	TR-D4151IR1
Image sensor	1/2.8" CMOS 5MP
Resolution	5MP(2592x1944) 4MP(2592x1520) 3MP(2304x1296)
Frame rate	5MP@15fps 4MP@20fps 3MP@25fps
Electronic shutter speed	1/2 ~ 1/1 000 s
Day/night mode	Mechanical ICR
Sensitivity	0.003Lux (F1.8)
IR range	up to 15 m
Lens (mm)	2.8 / 3.6
Field of view (horiz./vert.)	2.8мм: 102˚±5˚ /72˚±5˚ 3.6мм:83˚±5˚ / 60˚±5˚
Axes setting	Pan: 0˚ Tilt: 0˚- 90˚ Rotation: 0˚- 55˚
WDR	Real WDR (120dB)
Digital noise reduction	3D DNR
Video compression	H.265 / H.264
Bitrate	up to 8Mbps
Local storage	MicroSD up to 128GB
Audio	Built-in microphone AudioIn / AudioOut
Corridor mode	Yes
IVS	Human detection Line crossing Intrusion detection
RTC	Yes
Power supply	PoE (802.3af) / 12V DC
PoE Class	3
Power consumption	DC: 3.6W PoE: 4.8W
Case material	Metal
Dimensions (mm)	Ø102.20 x 56.38
Net/Gross weight (g)	310 / 400
Ingress protection	IP66, IK10
Lightning protection	TVS 4000V
Working temperature	-40°C ... +60°C

2 MP outdoor camera with varifocal lens and IR – illumination up to 25m

TR-D3123IR2 v6

Model	TR-D3123IR2
Image sensor	1/2.7" CMOS 2MP
Resolution	FullHD(1920x1080)
Frame rate	FullHD@25fps
Electronic shutter speed	1/2 ~ 1/1 000 s
Day/Night mode	Mechanical ICR
Sensitivity	0.003Lux (F1.6)
IR range	up to 25 m
Lens (mm)	2.7 - 13.5
Field of view (horiz./vert.)	100˚-28˚±5˚ / 56˚-15˚±5˚
Axes setting	Pan: 0°–360° Tilt: 0°–70°
WDR	Real WDR (120dB)
Digital noise reduction	3D DNR
Video compression	H.265+ / H.265 / H.264+ / H.264
Bitrate	up to 8Mbps
Local storage	MicroSD up to 128GB
Audio	Built-in microphone 1 in / 1 out
Corridor mode	Yes
IVS	Human Detection Line Crossing Intrusion Detection
Power supply	PoE (802.3af) / 12V DC
PoE Clas	3
Power consumption	DC: 3.6W PoE: 3.9W
Case material	Metal
Dimensions (mm)	Ø116.10 x 96.51
Weight Net/Gross (g)	520 / 650
Ingress protection	IP66, IK10
Lightning protection	TVS 4000V
Working temperature	-40°C ... +60°C

2 MP outdoor camera with motorized lens and IR – illumination up to 25m

TR-D3122ZIR2 v6

Model	TR-D3122ZIR2
Image sensor	1/2.7" CMOS 2MP
Resolution	FullHD(1920x1080)
Frame rate	FullHD@25fps
Electronic shutter speed	1/2 ~ 1/1 000 s
Day/Night mode	Mechanical ICR
Sensitivity	0.003Lux (F1.6)
IR range	up to 25 m
Lens (mm)	2.8 - 8 (motorized)
Field of view (horiz./vert.)	91˚-54˚±5˚ / 50˚-30˚±5˚
Axes setting	Pan: 0°–340° Tilt: 0°–70°
WDR	Real WDR (120dB)
Digital Noise Reduction	3D DNR
Video compression	H.265+ / H.265 / H.264+ / H.264
Bitrate	up to 8Mbps
Local storage	MicroSD up to 128GB
Audio	Built-in microphone
Corridor mode	Yes
IVS	Human Detection Line Crossing Intrusion Detection
Power supply	PoE (802.3af) / 12V DC
PoE Class	3
Power consumption	DC: 5.6W PoE: 5.8W
Case material	Metal
Dimensions (mm)	Ø116.10 x 96.51
Weight Net/Gross (g)	520 / 650
Ingress protection	IP66, IK10
Lightning protection	TVS 4000V
Working temperature	-40°C ... +60°C

5 MP outdoor camera with motorized lens and IR – illumination up to 25m

TR-D3152ZIR2 v2

Model	TR-D3152ZIR2
Image sensor	1/2.8" CMOS 5MP
Resolution	5MP(2560x1920) 4MP(2560x1440) 3MP(2304x1280)
Frame rate	5MP@25fps 4MP@25fps 3MP@25fps
Electronic Shutter Speed	1/2 ~ 1/1 000 c
Day/Night Mode	Mechanical ICR
Sensitivity	0.003Lux (F1.8)
IR range	up to 25 m
Lens (mm)	2.8 - 8 (motorized)
Field of view (horiz./vert.)	85˚-50˚ / 62˚-38˚
Axes setting	Pan: 0˚-360˚ Tilt: 0˚-80˚ Rotation: 0˚-360˚
WDR	Real WDR (120dB)
Digital Noise reduction	3D DNR
Video compression	H.265+ / H.265 / H.264
Bitrate	up to 8Mbps
Local storage	MicroSD up to 128Gb
Audio	Built-in microphone
Corridor mode	Yes
IVS	Yes
RTC	No
Power supply	PoE (802.3af) / 12V DC
Class PoE	3
Power consumption	DC: 6.2W PoE: 6.8W
Case material	Metal
Dimensions (mm)	Ø116.10 x 96.51
Weight Net/Gross (g)	520 / 650
Protection	IP66, IK10
Power surge suppressor	TVS 4000V
Working temperature	-40°C ... +60°C

8 MP outdoor camera with motorized lens and IR – illumination up to 30m

TR-D3183ZIR3 v3

Model	TR-D3183ZIR3
Image sensor	1/2.7" CMOS 8MP
Resolution	8MP(3840x2160) 5MP(2592x1944)
Frame rate	50Hz: 8M@15fps, 5M@25fps 60Hz: 8M@15fps, 5M@30fps
Electronic shutter speed	1/3 ~ 1/10 000 s
Day/Night mode	Mechanical ICR
Sensitivity	0.003Lux (F1.3)
IR range	up to 30 m
Lens (mm)	2.7 - 13.5 (motorzoom)
Field of view (horiz./vert.)	113˚ - 31˚ / 58˚ - 17˚
Axes setting	Pan: 0˚-355˚ Tilt: 0˚-75˚ Rotation: 0˚-355˚
WDR	Real WDR (120dB)
Digital noise reduction	3D DNR
Video compression	H.265+ / H.265 / H.264+ / H.264
Bitrate	up to 10Mbps
Local storage	MicroSD до 128Гб
Audio	Built-in microphone 1 in / 1 out
Alarm	1 / 1
Corridor mode	Yes
IVS	Yes
Power supply	PoE (802.3af) / 12V DC
PoE Class	0
Power consumption	DC: 9W PoE: 4.75W
Case material	Metal
Dimensions (mm)	Ø142.2 x 113.4
Weight Net/Gross (g)	793 / 942
Protection	IP67, IK10
Power surge suppressor	TVS 4000V
Working temperature	-40°C ... +60°C

2 MP outdoor camera with IR – illumination up to 25m

TR-D8121IR2 v6

Model	TR-D8121IR2
Image sensor	1/2.7" CMOS 2MP
Resolution	FullHD(1920x1080)
Frame rate	FullHD@25fps
Electronic Shutter Speed	1/2 ~ 1/1 000 s
Day/Night mode	Mechanical ICR
Sensitivity	0.005Lux (F1.8)
IR range	up to 25 m
Lens (mm)	2.8 / 3.6
Field of view (horiz./vert.)	2.8mm: 100˚±5˚ / 54˚±5˚
	3.6mm: 82˚±5˚ / 44˚±5˚
Axes setting	Pan: 0˚-360˚
	Tilt: 0˚-90˚
	Rotation: 0˚-90˚
WDR	Real WDR (120dB)
Digital noise reduction	3D DNR
Video compression	H.265+ / H.265 / H.264+ / H.264
Bitrate	up to 8Mbps
Local storage	MicroSD up 128GB
Audio	Built-in microphone
Corridor mode	Yes
IVS	Human detection
	Line crossing
	Intrusion detection
Power supply	PoE (802.3af) / 12V DC
PoE Class	3
Power consumption	DC: 5.3W
	PoE: 6.3W
Case material	Metal
Dimensions (mm)	Ø93 x 92.2
Weight Net/Gross (g)	380 / 480
Ingress protection	IP66, IK10
Lightning protection	TVS 4000V
Working temperature	-40°C ... +60°C

5 MP outdoor camera with IR – illumination up to 25m

TR-D8151IR2 v2

Model	TR-D8151IR2
Image sensor	1/2.8" CMOS 5MP
Resolution	5MP(2560x1920)
	4MP(2560x1440)
	3MP(2304x1280)
Frame rate	5MP@25fps
	4MP@25fps
	3MP@25fps
Electronic Shutter Speed	1/2 ~ 1/1 000 c
Day/Night Mode	Mechanical ICR
Sensitivity	0.003Lux (F1.8)
IR range	up to 25 m
Lens (mm)	2.8 / 3.6
Field of view (horiz./vert.)	2.8mm: 96˚ / 69˚
	3.6mm: 80˚ / 58˚
Axes setting	Pan: 0˚-360˚
	Tilt: 0˚-110˚
	Rotation: 0˚-360˚
WDR	Real WDR (120dB)
Digital noise reduction	3D DNR
Video compression	H.265+ / H.265 / H.264
Bitrate	up to 8Mbps
Local storage	MicroSD up to 128Gb
Audio	Built-in microphone
Corridor mode	Yes
IVS	Yes
RTC	No
Power supply	PoE (802.3af) / 12V DC
Class PoE	0
Power consumption	DC: 4.9W
	PoE: 5.5W
Case material	Metall
Dimensions (mm)	Ø93 x 92.2
Weight Net/Gross (g)	380 / 480
Protection	IP66, IK10
Power surge suppressor	TVS 4000V
Working temperature	-40°C ... +60°C

2 MP Wi-Fi camera with IR – illumination up to 20m

TR-D8121IR2W v3

Model	TR-D8121IR2W
Image sensor	1/2.7" CMOS 2MP
Resolution	FullHD(1920x1080)
Frame rate	FullHD@25fps
Electronic shutter speed	1/2 ~ 1/1 000 s
Day/Night mode	Mechanical ICR
Sensitivity	0.005Lux(F1.8)
IR range	up to 20 m
Lens (mm)	2.8
Field of view (horiz./vert.)	100˚±5˚ / 54˚±5˚
Axes setting	Pan: 0˚-360˚
	Tilt: 0˚-80˚
	Rotation: 0˚-360˚
WDR	Real WDR (120dB)
Digital Noise Reduction	3D DNR
Video compression	H.265+ / H.265 / H.264+ / H.264
Bitrate	up to 8Mbps
Local storage	MicroSD up to 128GB
Audio	Built-in microphone
	Built-in speaker
Corridor mode	Yes
Motion detector	Digital
Wi-Fi	2.4 Ghz
IVS	Human detection
	Line crossing
	Intrusion detection
Power	12V DC
Power consumption	4.5 W
Casing material	Plastic
Dimensions (mm)	ø105 x 92.1
Net/Gross weight (g)	220 / 390
Working temperature	-10°C ... +50°C

5 MP outdoor camera with IR – illumination up to 25m

TR-D3153IR2 v2

Model	TR-D3153IR2
Image sensor	1/2.8" CMOS 5MP
Resolution	5MP(2560x1920)
	4MP(2560x1440)
	3MP(2304x1280)
Frame rate	5MP@25fps
	4MP@25fps
	3MP@25fps
Electronic Shutter Speed	1/2 ~ 1/1 000 c
Day/Night Mode	Mechanical ICR
Sensitivity	0.002Lux (F1.8)
IR range	up to 25 m
Lens (mm)	2.7 - 13.5
Field of view (horiz./vert.)	93˚-29˚ / 69˚-22˚
Axes setting	Pan: 0°
	Tilt: 0°–90°
	Rotation: 0°–360°
WDR	Real WDR (120dB)
Digital noise reduction	3D DNR
Video compression	H.265+ / H.265 / H.264
Bitrate	up to 8Mbps
Local storage	MicroSD up to 128Gb
Audio	Built-in microphone
	1 in / 1 out
Corridor mode	Yes
IVS	Yes
RTC	No
Power supply	PoE (802.3af) / 12V DC
Class PoE	3
Power consumption	DC: 7.1W
	PoE: 7.7W
Case material	Metal
Dimensions (mm)	Ø116.10 x 96.51
Weight Net/Gross (g)	520 / 650
Protection	IP66, IK10
Power surge suppressor	TVS 4000V
Working temperature	-40°C ... +60°C

2 MP outdoor FTC camera with IR – illumination up to 25m for night shooting

TR-D8121CL2

Model	TR-D8121CL2
Image sensor	1/2.8" CMOS 2MP
Resolution	FullHD(1920x1080)
Frame rate	FullHD@25fps
Electronic shutter speed	1/2 ~ 1/1 000 s
Day/Night mode	FTC
Sensitivity	0.0015Lux (F1.0) / 0Lux (LED on)
LED range	up to 25 m
Lens (mm)	2.8 / 4.0
Field of view (horiz./vert.)	2.8 mm: 105˚ / 54˚ 4 mm: 81˚ / 44˚
Axes setting	Pan: 0˚-360˚ Tilt: 0˚-110˚ Rotation: 0˚-360˚
WDR	Real WDR (120dB)
Digital noise reduction	3D DNR
Video compression	H.265+ / H.265 / H.264+ / H.264
Bitrate	up to 8Mbps
Local storage	MicroSD up to 128GB
Audio	Built-in microphone
Corridor mode	Yes
IVS	Human detection Line crossing Intrusion detection
Power supply	PoE (802.3af) / 12V DC
PoE Class	0
Power consumption	DC: 3.5W PoE: 3.36W
Case material	Metal
Dimensions (mm)	Ø 93 x 92.2
Weight Net/Gross (g)	400 / 490
Ingress protection	IP66
Lightning protection	TVS 4000V
Working temperature	-40°C ... +60°C

2 MP outdoor camera with motorized lens and IR – illumination up to 25m

TR-D8122ZIR2 v6

Model	TR-D8122ZIR2
Image sensor	1/2.7" CMOS 2MP
Resolution	FullHD(1920x1080)
Frame rate	FullHD@25fps
Electronic shutter speed	1/2 ~ 1/1 000 s
Day/Night mode	Mechanical ICR
Sensitivity	0.003Lux (F1.6)
IR range	up to 25 m
Lens (mm)	2.8 - 8 (motorized)
Field of view (horiz./vert.)	91˚-54˚±5˚ / 50˚-30˚±5˚
Axes setting	Pan: 0˚-360˚ Tilt: 0˚-90˚ Rotation: 0˚-360˚
WDR	Real WDR (120dB)
Digital noise reduction	3D DNR
Video compression	H.265+ / H.265 / H.264+ / H.264
Bitrate	up to 8Mbps
Local storage	MicroSD up to 128GB
Audio	Built-in microphone
Corridor mode	Yes
IVS	Human Detection Line Crossing Intrusion Detection
Power consumption	PoE (802.3af) / 12V DC
PoE Class	3
Power consumption	DC: 5W PoE: 5.8W
Case material	Metal
Dimensions (mm)	Ø93 x 92.2
Weight Net/Gross (g)	380 / 480
Ingress protection	IP66, IK10
Lightning protection	TVS 4000V
Working temperature	-40°C ... +60°C

5 MP outdoor camera with motorized lens with IR – illumination up to 25m

TR-D8152ZIR2 v2

Model	TR-D8152ZIR2
Image sensor	1/2.8" CMOS 5MP
Resolution	5MP(2560x1920) 4MP(2560x1440) 3MP(2304x1280)
Frame rate	5MP@25fps 4MP@25fps 3MP@25fps
Electronic Shutter Speed	1/2 ~ 1/1 000 c
Day/Night Mode	Mechanical ICR
Sensitivity	0.003Lux (F1.8)
IR range	up to 25 m
Lens (mm)	2.8 - 8 (motorized)
Field of view (horiz./vert.)	85˚-50˚ / 62˚-38˚
Axes setting	Pan: 0˚-360˚ Tilt: 0˚-110˚ Rotation: 0˚-360˚
WDR	Real WDR (120dB)
Digital noise reduction	3D DNR
Video compression	H.265+ / H.265 / H.264
Bitrate	up to 8Mbps
Local storage	MicroSD up to 128Gb
Audio	Built-in microphone
Corridor mode	Yes
IVS	Yes
RTC	No
Power supply	PoE (802.3af) / 12V DC
Class PoE	0
Power consumption	DC: 5.9W PoE: 7.7W
Case material	Metall
Dimensions (mm)	Ø93 x 92.2
Weight Net/Gross (g)	380 / 480
Protection	IP66, IK10
Power surge suppressor	TVS 4000V
Working temperature	-40°C ... +60°C

8 MP outdoor camera with IR – illumination up to 30m

TR-D8181IR3 v3

Model	TR-D8181IR3
Image sensor	1/2.7" CMOS 8MP
Resolution	8MP(3840x2160) 5MP(2592x1944)
Frame rate	50Hz: 8M@15fps, 5M@25fps 60Hz: 8M@15fps, 5M@30fps
Electronic shutter speed	1/3 ~ 1/10 000 s
Day/Night mode	Mechanical ICR
Sensitivity	0.005Lux (F1.8)
IR range	up to 30 m
Lens (mm)	2.8 / 3.6
Field of view (horiz./vert.)	2.8mm: 105˚ / 56˚ 3.6mm: 87˚ / 47˚
Axes setting	Pan: 0˚-360˚ Tilt: 0˚-90˚ Rotation: 0˚-360˚
WDR	Real WDR (120dB)
Digital noise reduction	3D DNR
Video compression	H.265+ / H.265 / H.264+ / H.264
Bitrate	up to 10Mbps
Local storage	MicroSD up to 128GB
Audio	Built-in microphone
Corridor mode	Yes
IVS	Yes
Power supply	PoE (802.3af) / 12V DC
PoE Class	0
Power consumption	DC: 7.5W PoE: 8W
Case material	Metal
Dimensions (mm)	Ø103.5 x 82.4
Weight Net/Gross (g)	350 / 400
Protection	IP67
Power surge suppressor	TVS 4000V
Working temperature	-40°C ... +60°C

2 MP indoor camera with IR – illumination up to 10m

TR-D7121IR1 v6

Model	TR-D7121IR1
Image sensor	1/2.7" CMOS 2MP
Resolution	FullHD(1920x1080)
Frame rate	FullHD@25fps
Electronic shutter speed	1/2 ~ 1/1 000 s
Day/Night mode	Mechanical ICR
Sensitivity	0.005Lux (F1.8)
IR range	up to 10 m
Lens (mm)	1.9 / 2.8 / 3.6
Field of view (horiz./vert.)	1.9mm: 113˚±5˚ / 61˚±5˚ 2.8mm: 100˚±5˚ / 54˚±5˚ 3.6mm: 82˚±5˚ / 44˚±5˚
WDR	Real WDR (120dB)
Digital noise reduction	3D DNR
Video compression	H.265+ / H.265 / H.264+ / H.264
Btrate	up to 8Mbps
Local strorage	MicroSD up to 128Гб
Audio	Built-in microphone Built-in speaker
Motion detector	PIR-sensor
Corridor mode	Yes
iVS	Human Detection Line Crossing Intrusion Detection
RTC	Yes
Power supply	PoE (802.3af) / 12V DC
PoE Class	3
Power consumption	DC: 1.7W PoE: 2W
Case material	Plastic
Dimensions (mm)	60 x 99 x 32.8
Weight Net/Gross (g)	95 / 220
Working temperature	-10°C ... +50°C

2 MP Wi-Fi camera with IR – illumination up to 10m

TR-D7121IR1W v3

Model	TR-D7121IR1W
Image sensor	1/2.7" CMOS 2MP
Resolution	FullHD(1920x1080)
Frame rate	FullHD@25fps
Electronic shutter speed	1/2 ~ 1/1 000 s
Day/Night mode	Mechanical ICR
Sensitivity	0.005Lux (F1.8)
IR range	up to 10 m
Lens (mm)	2.8
Field of view (horiz./vert.)	100˚±5˚ / 54˚±5˚
WDR	Real WDR (120dB) 3D DNR
Digital Noise Reduction	H.265+ / H.265 / H.264+ / H.264
Video compression	up to 8Mbps
Bitrate	MicroSD up to 128GB
Local storage	Built-in microphone
Audio	Built-in speaker
Corridor mode	Yes
Motion detector	Digital
Wi-Fi	2.4 Ghz
IVS	Human detection Line crossing Intrusion detection
Power	12V DC
Power consumption	2.4 W
Casing material	Plastic
Dimensions (mm)	60 x 32.8 x 99
Net/Gross weight (g)	85 / 280
Working temperature	-10°C ... +50°C

2 MP PTZ camera with IR – illumination up to 30m

TR-D5123IR3

Model	TR-D5123IR3
Image sensor	1/2.8" STARVIS CMOS 2MP
Resolution	FullHD(1920x1080)
Frame rate	FullHD@25fps
Electronic shutter speed	1/1 ~ 1/30 000 sec
"Day/Night" mode	Mechanical ICR
Sensitivity	0.005Lux (F1.6) / 0Lux (IR on)
IR range	up to 30 meters
Lens (мм)	2.7-11, F1.6
Field of view (horiz./vert.)	102° - 36° / 54° - 20°
Optical zoom	x4
Digital zoom	x16
Pan/Tilt Range	Pan: 0° ~ 360° (infinite) Tilt: -15° ~ 90° (autoflip to 180°)
Manual Control Speed	Pan: 0.1°/s ~ 200°/s Tilt: 0.1°/s ~ 60°/s
Preset Speed	Pan: 100°/s Tilt: 60°/s
Auto focus	Yes
WDR	Real WDR (120dB)
Digital noise reduction	Ultra DNR (2D/3D)
Video compression	H.265 / H.264
Bitrate	up to 8Mbps
Local storage	MicroSD up to 128GB
Audio	Built-in microphon
ROI	Yes (up to 8 zones)
IVS	Yes
Power supply	PoE (802.3at) / 12V DC (3A)
PoE Class	4
Power consumption	13W
Dimensions (mm)	Ø133 x 116.5
Weight Net/Gross (g)	950
Ingress protection	IP66
Working temperature	-30°C ... +60°C

2 MP compact PTZ camera

TR-D5124

Model	TR-D5124
Image sensor	1/2.8" STARVIS CMOS 2MP
Resolution	FullHD(1920x1080) HD720P(1280x720)
Frame rate	FullHD@25fps HD720P@25fps
Electronic shutter speed	1/1 ~ 1/30 000 sec
"Day/Night" mode	Mechanical ICR
Sensitivity	0.005Lux (F1.6)
Lens (mm)	5.3-64 mm, F1.6-F4.4
Field of view (horiz.)	58.2° - 4.8°
Optical zoom	x12
Digital zoom	x16
Pan/Tilt Range	Pan: 0° ~ 360°(infinite) Tilt: -2° ~ 90° (autoflip to 180°)
Manual Control Speed	Pan: 0.1°/s ~ 300°/s Tilt: 0.1°/s ~ 120°/s
Preset Speed	Pan: 300°/s Tilt: 200°/s
Auto focus	Yes
WDR	Real WDR (120dB)
Digital noise reduction	Ultra DNR (2D/3D)
Video compression	H.265 / H.264
Bitrate	up to 8Mbps
Local storage	MicroSD up to 128GB
Audio	1 in / 1 out
IVS	Yes
Alarm IN/OUT	2 / 1
Power supply	PoE+ (802.3at) / 24V AC
Power consumption	12W
Dimensions (mm)	Ø170 x 155
Weight Net/Gross (g)	1800
Ingress protection	IP66, IK10
Working temperature	-30°C ... +60°C

2MP IR outdoor high-speed PTZ camera

TR-D6224IR10

Model	TR-D6224IR10
Image sensor	1/2.8" CMOS 2MP
Resolution	FullHD(1920x1080)
Frame rate	FullHD@50fps
Electronic shutter speed	1/1 ~ 1/30 000 sec
"Day/Night" mode	Mechanical ICR
Sensitivity	0.003Lux (F1.6) / 0Lux (IR on)
IR range	up to 100 meters
Lens (мм)	4.8-120 mm, F1.6-F4.4
Field of view (horiz./vert.)	58.3° - 2.6° / 31.9° - 1.7°
Optical zoom	x25
Digital zoom	x16
Pan/Tilt Range	Pan: 0° ~ 360° (infinite) Tilt: -15° ~ 90° (autoflip to 180°)
Manual Control Speed	Pan: 0.1°/s ~ 200°/s Tilt: 0.1°/s ~ 120°/s
Preset Speed	Pan: 240°/s Tilt: 200°/s
Auto focus	Yes
WDR	Real WDR (120dB)
Digital noise reduction	2DNR / 3DNR
Video compression	H.265+ / H.265 / H.264+ / H.264
Bitrate	up to 20Mbps
Local storage	MicroSD up to 256GB
Audio	Two-way audio channel
ROI	Yes (up to 8 zones)
IVS	Yes
RTC	Yes
Alarm IN/OUT	2 / 1
Power supply	PoE+ (802.3at) / 12V DC (3A)
PoE Class	4
Power consumption	22W (IR on.)
Lightning protection	TVS 6000V
Case material	Aluminium
Dimensions (mm)	Ø160 x 295
Weight Net/Gross (g)	3000 / 4800
Ingress protection	IP66
Working temperature	-40°C ... +70°C

2MP 120dB WDR ZOOM x25 H.265+ HEVC 100m IR LED IP66

5MP compact all-weather high-speed PTZ camera

TR-D6254

Model	TR-D6254
Image sensor	1/2.8" CMOS 5MP
Resolution	5MP(2560x1920) 4MP(2560x1440)
Frame rate	5MP@20fps 4MP/3MP/FullHD@25fps
Electronic shutter speed	1/1 ~ 1/30 000 sec
"Day/Night" mode	Mechanical ICR
Sensitivity	0.005Lux (F1.35)
Lens (mm)	4.9-156 mm, F1.35-F4.4
Field of view (horiz./vert.)	54.5° - 2.24° / 30.3° - 1.27°
Optical zoom	x32
Digital zoom	x16
Pan/Tilt Range	Pan: 0° ~ 360° (infinite) Tilt: 0° ~ 90° (autoflip to 180°)
Manual Control Speed	Pan: 0.1°/s ~ 350°/s Tilt: 0.1°/s ~ 250°/s
Preset Speed	Pan: 500°/s Tilt: 500°/s
Auto focus	Yes
WDR	Real WDR (120dB)
Digital noise reduction	2DNR / 3DNR
Video compression	H.265+ / H.265 / H.264+ / H.264
Bitrate	up to 20Mbps
Local storage	MicroSD up to 256GB
Audio	Two-way audio channel
ROI	Yes (up to 8 zones)
IVS	Yes
RTC	Yes
Alarm IN/OUT	2 / 1
Power supply	PoE+ (802.3at) / 24V DC (2.5A)
PoE Class	4
Power consumption	16Вт
Lightning protection	TVS 6000V
Case material	Aluminium
Dimensions (mm)	Ø186 x 253
Weight Net/Gross (g)	2500 / 4500
Ingress protection	IP67, IK10
Working temperature	-40°C ... +60°C

5MP 120dB WDR H.265+ HEVC IP67 ZOOM x32

5MP IR outdoor high-speed PTZ camera

TR-D6254IR15

Model	TR-D6254IR15
Image sensor	1/2.8" CMOS 5MP
Resolution	5MP(2560x1920) 4MP(2560x1440)
Frame rate	5MP@20fps 4MP/3MP/FullHD@25fps
Electronic shutter speed	1/1 ~ 1/30 000 sec
"Day/Night" mode	Mechanical ICR
Sensitivity	0.005Lux (F1.3) / 0Lux(IR on)
IR range	up to 150 meters
Lens (мм)	4.9-156 mm, F1.35-F4.4
Field of view (horiz./vert.)	54.5˚ - 2.24˚ / 30.3˚ - 1.27˚
Optical zoom	x32
Digital zoom	x16
Pan/Tilt Range	Pan: 0° ~ 360° (infinite) Tilt: -10° ~ 90° (autoflip to 180°)
Manual Control Speed	Pan: 0.1°/s ~ 300°/s Tilt: 0.1°/s ~ 200°/s
Preset Speed	Pan: 400°/s Tilt: 300°/s
Auto focus	Yes
WDR	Real WDR (120dB)
Digital noise reduction	2DNR / 3DNR
Video compression	H.265+ / H.265 / H.264+ / H.264
Bitrate	up to 20Mbps
Local storage	MicroSD up to 256GB
Audio	Two-way audio channel
ROI	Yes (up to 8 zones)
IVS	Yes
RTC	Yes
Alarm IN/OUT	2 / 1
Power supply	PoE+ (802.3at) / 24V AC (3A)
PoE Class	4
Power consumption	24W (IR on)
Lightning protection	TVS 6000V
Case material	Aluminium
Dimensions (mm)	478.4 x 295.1 x 185.7
Weight Net/Gross (g)	3900 / 7010
Ingress protection	IP66
Working temperature	-40°C ... +70°C

5MP 120dB WDR ZOOM x32 H.265+ HEVC 150m IR LED IP66

5 MP fisheye camera with IR – illumination up to 25m

TR-D9151IR2 v2

Model	TR-D9151IR2
Image sensor	1/2.8" CMOS 5Mp
Resolution	5MP(2560x1920) 4MP(2560x1440) 3MP(2304x1280)
Frame rate	5MP@25fps 4MP@25fps 3MP@25fps
Electronic Shutter Speed	1/2 ~ 1/1 000 s
Day/Night Mode	Mechanical ICR
Sensitivity	0.003Lux (F1.8)
IR range	up to 25 m
Lens (mm)	1.4
Field of view (horiz./vert.)	180˚ / 180˚
Axes setting	Pan: 0˚ Tilt: 0˚- 45˚ Rotation: 0˚- 360˚
WDR	Real WDR (120dB)
Digital noise reduction	3D DNR
Video compression	H.265+ / H.265 / H.264
Bitrate	up to 8Mbps
Local storage	MicroSD up to 128Gb
Audio	Built-in microphone AudioIn / AudioOut
Alarm In / Out	1 / 1
Corridor mode	Yes
Power supply	PoE (802.3af) / 12V DC
Class PoE	3
Power consumption	DC: 6.6W PoE: 7.2W
Case material	Metal
Dimensions (mm)	Ø120 x 58
Weight Net/Gross (g)	380 / 550
Protection	IP65
Power surge suppressor	TVS 4000V
Working temperature	-30°C ... +60°C

H.265 HEVC WDR

«TREND PRO» LINE

Maximum capacity IP cameras

2 MP outdoor Wi-Fi camera with IR – illumination up to 40m

TR-D2221WDIR4W v2

Model	TR-D2221WDIR4W
Image sensor	1/2.8" CMOS 2MP
Resolution	FullHD(1920x1080)
Frame rate	50Hz: FullHD@25fps 60Hz: FullHD@30fps
Electronic shutter speed	1/2 ~ 1/1 000 s
Day/Night mode	Mechanical ICR
Sensitivity	0.005Lux (F1.8)
IR range	up to 40 m
Lens (mm)	2.8 / 3.6
Field of view (horiz./vert.)	2.8mm: 101˚ / 55˚ 3.6mm: 85˚ / 46˚
Axes setting	Pan: 0˚-360˚ Tilt: 0˚- 105˚ Rotation: 0˚- 360˚
WDR	Real WDR (120dB)
Digital noise reduction	3D DNR
Video compression	H.265+ / H.265 / H.264
Bitrate	up to 8Mbps
Local storage	MicroSD up to 128GB
Audio	Built-in microphone 1 in / 1 out
Alarm	1 / 1
IVS	Yes
Wi-Fi	2.4 Ghz
Corridor mode	Yes
Power supply	PoE (802.3af) / 12V DC
PoE Class	0
Power consumption	DC: 5.3W PoE: 6.3W
Case material	Metal
Dimensions (mm)	184.3 x 67.3 x 63.9
Weight Net/Gross (g)	460 / 585
Protection	IP67
Power surge suppressor	TVS 4000V
Working temperature	-40°C ... +60°C

H.265+ HEVC · Real WDR · wi-fi · IP67

5 MP outdoor camera with IR – illumination up to 40m

TR-D2251WDIR4 v2

Model	TR-D2251WDIR4
Image sensor	1/2.8" CMOS 5MP
Resolution	5MP(2592x1920) 4MP(2560x1440) 3MP(2304x1280) 2MP(1920x1280)
Frame rate	5MP/4MP/3MP/2MP@25fps
Electronic shutter speed	1/2 ~ 1/1 000 s
Day/Night mode	Mechanical ICR
Sensitivity	0.003Lux (F1.8)
IR range	up to 40 m
Lens (mm)	1.9 / 2.8 / 3.6
Field of view (horiz./vert.)	1.9mm: 104 ˚ / 75˚ 2.8mm: 91 ˚ / 66˚ 3.6mm: 76˚ / 56˚
Axes setting	Pan: 0˚-360˚ Tilt: 0˚-105˚ Rotation: 0˚-360˚
WDR	Real WDR (120dB)
Digital noise reduction	3D DNR
Video compression	H.265+ / H.265 / H.264+ / H.264
Bitrate	up to 8Mbps
Local storage	MicroSD up to128GB
Audio	Built-in microphone 1 in / 1 out
Alarm	1 / 1
IVS	Yes
Corridor mode	Yes
Power supply	PoE (802.3af) / 12V DC
PoE Class	0
Power consumption	DC: 5.1W PoE: 6.5W
Case material	Metal
Dimensions (mm)	184.67x66.50x63.05
Weight Net/Gross (g)	460 / 565
Protection	IP67
Power surge suppressor	TVS 4000V
Working temperature	-40°C ... +60°C

5 MP outdoor Wi-Fi camera with IR – illumination up to 40m

TR-D2251WDIR4W v2

Model	TR-D2251WDIR4W
Image sensor	1/2.8" CMOS 5MP
Resolution	5MP(2592x1920) 4MP(2560x1440) 3MP(2304x1280) 2MP(1920x1280)
Frame rate	5MP/4MP/3MP/2MP@25fps
Electronic shutter speed	1/2 ~ 1/1 000 s
Day/Night mode	Mechanical ICR
Sensitivity	0.003Lux (F1.8)
IR range	up to 40 m
Lens (mm)	2.8 / 3.6
Field of view (horiz./vert.)	2.8mm: 91˚ / 66˚ 3.6mm: 76˚ / 56˚
Axes setting	Pan: 0˚-360˚ Tilt: 0˚-105˚ Rotation: 0˚- 360˚
WDR	Real WDR (120dB)
Digital noise reduction	3D DNR
Video compression	H.265+ / H.265 / H.264+ / H.264
Bitrate	up to 8Mbps
Local storage	MicroSD up to 128GB
Audio	Built-in microphone 1 in / 1 out
Alarm	1 / 1
IVS	Yes
Wi-Fi	2.4 Ghz
Corridor mode	Yes
Power supply	PoE (802.3af) / 12V DC
PoE Class	0
Power consumption	DC: 5.3W PoE: 6.5W
Case material	Metal
Dimensions (mm)	184.3 x 67.3 x 63.9
Weight Net/Gross (g)	460 / 585
Protection	IP67
Power surge suppressor	TVS 4000V
Working temperature	-40°C ... +60°C

2 MP outdoor camera with IR – illumination up to 40m

TR-D2221WDIR4 v2

Model	TR-D2221WDIR4
Image sensor	1/2.8" CMOS 2MP
Resolution	FullHD(1920x1080)
Frame rate	50Hz: FullHD@25fps 60Hz: FullHD@30fps
Electronic shutter speed	1/2 ~ 1/1 000 s
Day/Night mode	Mechanical ICR
Sensitivity	0.005Lux (F1.8)
IR range	up to 40 m
Lens (mm)	1.9 / 2.8 / 3.6
Field of view (horiz./vert.)	1.9mm: 118˚ / 62˚ 2.8mm: 101˚ / 55˚ 3.6mm: 85˚ / 46˚
Axes setting	Pan: 0˚-360˚ Tilt: 0˚-105˚ Rotation: 0˚-360˚
WDR	Real WDR (120dB)
Digital noise reduction	3D DNR
Video compression	H.265+ / H.265 / H.264
Bitrate	up to 8Mbps
Local storage	MicroSD up to 128GB
Audio	Built-in microphone 1 in / 1 out
Alarm In/Out	1 / 1
Corridor mode	Yes
IVS	Yes
Power supply	PoE (802.3af) / 12V DC
PoE Class	0
Power consumption	DC: 5W PoE: 5.8W
Case material	Metal
Dimensions (mm)	184.67x66.50x63.05
Weight Net/Gross (g)	460 / 565
Protection	IP67
Power surge suppressor	TVS 4000V
Working temperature	-40°C ... +60°C

2 MP outdoor camera with motorized lens and IR – illumination up to 40m

TR-D2222WDZIR4 v2

Model	TR-D2222WDZIR4
Image sensor	1/2.8" CMOS 2MP
Resolution	FullHD(1920x1080)
Frame rate	50Hz: FullHD@25fps 60Hz: FullHD@30fps
Electronic shutter speed	1/2 ~ 1/1 000 s
Day/Night mode	Mechanical ICR
Sensitivity	0.003Lux(F1.6)
IR range	up to 40m
Lens (mm)	2.8 - 8 (motorzoom)
Field of view (horiz./vert.)	94˚ - 56˚ / 51˚ - 31˚
Axes setting	Pan: 0˚-360˚ Tilt: 0˚-105˚ Rotation: 0˚-360˚
WDR	Real WDR (120dB)
Digital noise reduction	3D DNR
Video compression	H.265+ / H.265 / H.264
Bitrate	up to 8Mbps
Local storage	MicroSD up to 128GB
Audio	Built-in microphone 1 in / 1 out
Alarm In/Out	1 / 1
Corridor mode	Yes
IVS	Yes
Power supply	PoE (802.3af) / 12V DC
PoE Class	0
Power consumption	DC: 5.2W PoE: 6.3W
Case material	Metal
Dimensions (mm)	184.67x66.50x63.05
Weight Net/Gross (g)	460 / 565
Protection	IP67
Power surge suppressor	TVS 4000V
Working temperature	-40°C ... +60°C

2 MP outdoor FTC camera for night shooting

TR-D2221WDC

Model	TR-D2221WDC
Image sensor	1/2.8" CMOS 2MP
Resolution	FullHD(1920x1080)
Frame rate	FullHD@25fps
Electronic shutter speed	1/2 ~ 1/1 000 s
Day/Night mode	FTC
Sensitivity	0.0015Lux (F1.0)
Lens (mm)	4.0
Field of view (horiz./vert.)	80˚ / 43˚
Axes setting	Pan: 0˚-360˚ Tilt: 0˚-105˚ Rotation: 360˚
WDR	Real WDR (120dB)
Digital noise reduction	3D DNR
Video compression	H.265+ / H.265 / H.264
Bitrate	up to 8Mbps
Local storage	MicroSD up to 128GB
Audio	Built-in microphone 1 out
Alarm In / Out	1 / 1
Corridor mode	Yes
IVS	Human detection Line crossing Intrusion detection People Counting Loitering
Power supply	PoE (802.3af) / 12V DC
PoE Class	0
Power consumption	DC: 1.8W PoE: 2.9W
Case material	Metal
Dimensions (mm)	184.7 x 68 x 63
Weight Net/Gross (g)	480 / 580
Ingress protection	IP67
Lightning protection	TVS 4000V
Working temperature	-40°C ... +60°C

5 MP outdoor FTC camera for night shooting

TR-D2251WDC

Model	TR-D2251WDC
Image sensor	1/2.7" CMOS 5MP
Resolution	5MP(2880x1632)
Frame rate	5MP@25fps
Electronic shutter speed	1/2 ~ 1/1 000 s
Day/Night mode	FTC
Sensitivity	0.0015Lux (F1.0)
Lens (mm)	2.8 / 4.0
Field of view (horiz./vert.)	2.8mm: 101˚ / 58˚ 4.0mm: 87˚ / 46˚
Axes setting	Pan: 0˚-360˚ Tilt: 0˚-90˚ Rotation: 360˚
WDR	Real WDR (120dB)
Digital noise reduction	3D DNR
Video compression	H.265+ / H.265 / H.264
Bitrate	up to 8Mbps
Local storage	MicroSD up to 128GB
Audio	Built-in microphone 1 in / 1 out
Alarm In / Out	1 / 1
Corridor mode	Yes
IVS	Yes
Power supply	PoE (802.3af) / 12V DC
PoE Class	0
Power consumption	DC: 1.8W PoE: 2.4W
Case material	Metal
Dimensions (mm)	184.7 x 68 x 63
Weight Net/Gross (g)	480 / 580
Protection	IP67, IK08
Power surge suppressor	TVS 4000V
Working temperature	-40°C ... +60°C

5 MP outdoor FTC camera with IR – illumination up to 40m

TR-D2251WDCL4

Model	TR-D2251WDCL4
Image sensor	1/2.7" CMOS 5MP
Resolution	5MP(2880x1632)
Frame rate	5MP@25fps
Electronic shutter speed	1/2 ~ 1/1 000 s
Day/Night mode	FTC
Sensitivity	0.0015Lux (F1.0) / 0Lux (LED on)
LED range	up to 40 m
Lens (mm)	2.8 / 4.0
Field of view (horiz./vert.)	2.8mm: 101˚ / 58˚ 4.0mm: 87˚ / 46˚
Axes setting	Pan: 0˚-360˚ Tilt: 0˚-90˚ Rotation: 360˚
WDR	Real WDR (120dB)
Digital noise reduction	3D DNR
Video compression	H.265+ / H.265 / H.264
Bitrate	up to 8Mbps
Local storage	MicroSD up to 128GB
Audio	Built-in microphone 1 in / 1 out
Alarm In / Out	1 / 1
Corridor mode	Yes
IVS	Yes
Power supply	PoE (802.3af) / 12V DC
PoE Class	0
Power consumption	DC: 3.5W PoE: 5.8W
Case material	Metal
Dimensions (mm)	184.7 x 68 x 63
Weight Net/Gross (g)	480 / 580
Protection	IP67
Power surge suppressor	TVS 4000V
Working temperature	-40°C ... +60°C

H.265+ HEVC | Real WDR | FTC Full Time Color | IP67 | IK08

5 MP outdoor FTC camera with motorized lens and IR – illumination up to 70m

TR-D2253WDZCL7

Model	TR-D2253WDZCL7
Image sensor	1/2.7" CMOS 5MP
Resolution	5MP(2880x1632)
Frame rate	5MP@25fps
Electronic shutter speed	1/2 ~ 1/1 000 s
Day/Night mode	FTC
Sensitivity	0.0015Lux (F1.0) / 0Lux (LED on)
LED range	up to 70 m
Lens (mm)	2.7 - 13.5 (motorzoom)
Field of view (horiz./vert.)	103˚- 33˚/ 56˚- 19
Axes setting	Pan: 0˚ Tilt: 0˚-90˚ Tilt: 0˚-360˚
WDR	Real WDR (120dB)
Digital noise reduction	3D DNR
Video compression	H.265+ / H.265 / H.264
Bitrate	up to 8Mbps
Local storage	MicroSD up to 128GB
Audio	Built-in microphone 1 in / 1 out
Alarm In / Out	1 / 1
Corridor mode	Yes
IVS	Yes
Power supply	PoE (802.3af) / 12V DC
PoE Class	0
Power consumption	DC: 7.4 W PoE: 8 W
Case material	Metal
Dimensions (mm)	234.3 x 77.5 x 73.4
Weight Net/Gross (g)	635 / 830
Protection	IP67, IK08
Power surge suppressor	TVS 4000V
Working temperature	-40°C ... +60°C

H.265+ HEVC | Real WDR | FTC Full Time Color | IP67 | IK08

2 MP outdoor FTC camera with IR – illumination for night shooting

TR-D2221WDCL4

Model	TR-D2221WDCL4
Image sensor	1/2.8" CMOS 2MP
Resolution	FullHD(1920x1080)
Frame rate	FullHD@25fps
Electronic shutter speed	1/2 ~ 1/1 000 s
Day/Night mode	FTC
Sensitivity	0.0015Lux (F1.0) / 0Lux (LED on)
LED range	up to 40 m
Lens (mm)	4.0
Field of view (horiz./vert.)	80˚ / 43˚
Axes setting	Pan: 0˚-360˚ Tilt: 0˚-105˚ Rotation: 360˚
WDR	Real WDR (120dB)
Digital noise reduction	3D DNR
Video compression	H.265+ / H.265 / H.264
Bitrate	up to 8Mbps
Local storage	MicroSD up to 128GB
Audio	Built-in microphone 1 out
Alarm In / Out	1 / 1
Corridor mode	Yes
IVS	Human detection Line crossing Intrusion detection People Counting Loitering
Power supply	PoE (802.3af) / 12V DC
PoE Class	0
Power consumption	DC: 5.4W PoE: 6.2W
Case material	Metal
Dimensions (mm)	184.7 x 68 x 63
Weight Net/Gross (g)	480 / 580
Ingress protection	IP67
Lightning protection	TVS 4000V
Working temperature	-40°C ... +60°C

2 MP outdoor camera with IR – illumination up to 70m

TR-D2223WDIR7 v2

Model	TR-D2223WDIR7
Image sensor	1/2.8" CMOS 2MP
Resolution	FullHD(1920x1080)
Frame rate	50Hz: FullHD@25fps 60Hz: FullHD@30fps
Electronic shutter speed	1/2 ~ 1/1 000 s
Day/Night mode	Mechanical ICR
Sensitivity	0.003Lux (F1.3)
IR range	up to 70 m
Lens (mm)	2.7 - 13.5
Field of view (horiz./vert.)	101˚-30˚ / 55˚-18˚
Axes setting	Pan: 0˚-360˚ Tilt: 0˚-105˚ Rotation: 0˚-360˚
WDR	Real WDR (120dB)
Digital noise reduction	3D DNR
Video compression	H.265+ / H.265 / H.264
Bitrate	up to 8Mbps
Local storage	MicroSD up to 128GB
Audio	Built-in microphone 1 in / 1 out
Alarm In/Out	1 / 1
Corridor mode	Yes
IVS	Yes
Power supply	PoE (802.3af) / 12V DC
PoE Class	0
Power consumption	DC: 6.8W PoE: 7.8W
Case material	Metal
Dimensions (mm)	234.33x77.5x75.31
Weight Net/Gross (g)	635 / 830
Protection	IP67, IK08
Power surge suppressor	TVS 4000V
Working temperature	-40°C ... +60°C

2 MP outdoor camera with motorized lens and
IR – illumination up to 70m

TR-D2223WDZIR7 v2

Model	TR-D2223WDZIR7
Image sensor	1/2.8" CMOS 2MP
Resolution	FullHD(1920x1080)
Frame rate	50Hz: FullHD@25fps 60Hz: FullHD@30fps
Electronic shutter speed	1/2 ~ 1/1 000 s
Day/Night mode	Mechanical ICR
Sensitivity	0.003Lux (F1.3)
IR range	up to 70 m
Lens (mm)	2.7 - 13.5 (motorzoom)
Field of view (horiz./vert.)	101˚-30˚ / 55˚-18˚
Axes setting	Pan: 0˚-360˚ Tilt: 0˚-105˚ Rotation: 0˚-360˚
WDR	Real WDR (120dB)
Digital noise reduction	3D DNR
Video compression	H.265+ / H.265 / H.264
Bitrate	up to 8Mbps
Local storage	MicroSD up to 128GB
Audio	Built-in microphone 1 in / 1 out
Alarm In/Out	1 / 1
Corridor mode	Yes
IVS	Yes
Power supply	PoE (802.3af) / 12V DC
PoE Class	0
Power consumption	DC: 7.8W PoE: 9.1W
Case material	Metal
Dimensions (mm)	234.33x77.5x73.4
Weight Net/Gross (g)	635 / 830
Protection	IP67, IK08
Power surge suppressor	TVS 4000V
Working temperature	-40°C ... +60°C

5 MP outdoor camera with varifocal lens and
IR – illumination up to 70m

TR-D2253WDIR7 v2

Model	TR-D2253WDIR7
Image sensor	1/2.8" CMOS 5MP
Resolution	5MP(2592x1920) 4MP(2560x1440) 3MP(2304x1280) 2MP(1920x1280)
Frame rate	5MP/4MP/3MP/2MP@25fps
Electronic shutter speed	1/2 ~ 1/1 000 s
Day/Night mode	Mechanical ICR
Sensitivity	0.002Lux (F1.3)
IR range	up to 70 m
Lens (mm)	2.7 - 13.5
Field of view (horiz./vert.)	93˚-29˚ / 69˚-22˚
Axes setting	Pan: 0˚-360˚ Tilt: 0˚-105˚ Rotation: 0˚-360˚
WDR	Real WDR (120dB)
Digital Noise Reduction	3D DNR
Video compression	H.265+ / H.265 / H.264+ / H.264
Bitrate	up to 8Mbps
Local storage	MicroSD up to 128GB
Audio	Built-in microphone 1 in / 1 out
Alarm In/Out	1 / 1
Corridor mode	Yes
IVS	Yes
Power	PoE (802.3af) / 12V DC
PoE Class	0
Power consumption	DC: 7.5W PoE: 8.4W
Casing material	Metal
Dimensions (mm)	234.33x77.5x75.31
Net/Gross weight (g)	635 / 830
Protection	IP67, IK08
Power surge suppressor	TVS 4000V
Working temperature	-40°C ... +60°C

2 MP outdoor camera with motorized lens and IR – illumination up to 70m

TR-D2224WDZIR7 v2

Model	TR-D2224WDZIR7
Image sensor	1/2.8" CMOS 2MP
Resolution	FullHD(1920x1080)
Frame rate	50Hz: FullHD@25fps 60Hz: FullHD@30fps
Electronic shutter speed	1/2 ~ 1/1 000 s
Day/Night mode	Mechanical ICR
Sensitivity	0.003Lux (F1.3)
IR range	up to 70 m
Lens (mm)	5 - 50 (motorzoom)
Field of view (horiz./vert.)	45˚-10˚ / 25˚-5˚
Axes setting	Pan: 0˚-360˚ Tilt: 0˚-105˚ Rotation: 0˚-360˚
WDR	Real WDR (120dB)
Digital noise reduction	3D DNR
Video compression	H.265+ / H.265 / H.264
Bitrate	up to 8Mbps
Local storage	MicroSD up to 128GB
Audio	Built-in microphone 1 in / 1 out
Alarm In/Out	1 / 1
Corridor mode	Yes
IVS	Yes
Power supply	PoE (802.3af) / 12V DC
PoE Class	0
Power consumption	DC: 7.8W PoE: 9.1W
Case material	Metal
Dimensions (mm)	234.33x77.5x73.4
Weight Net/Gross (g)	635 / 830
Protection	IP67, IK08
Power surge suppressor	TVS 4000V
Working temperature	-40°C ... +60°C

5 MP outdoor camera with motorized lens and IR – illumination up to 40m

TR-D2252WDZIR4 v2

Model	TR-D2252WDZIR4
Image sensor	1/2.8" CMOS 5MP
Resolution	5MP(2592x1920) 4MP(2560x1440) 3MP(2304x1280) 2MP(1920x1280)
Frame rate	5MP/4MP/3MP/2MP@25fps
Electronic shutter speed	1/2 ~ 1/1 000 s
Day/Night mode	Mechanical ICR
Sensitivity	0.003Lux (F1.6)
IR range	up to 40 m
Lens (mm)	2.8 - 8 (motorzoom)
Field of view (horiz./vert.)	88˚ - 50˚ / 62˚ - 38˚
Axes setting	Pan: 0˚-360˚ Tilt: 0˚-105˚ Rotation: 0˚-360˚
WDR	Real WDR (120dB)
Digital Noise Reduction	3D DNR
Video compression	H.265+ / H.265 / H.264+ / H.264
Bitrate	up to 8Mbps
Local storage	MicroSD up to 128GB
Audio	Built-in microphone 1 in / 1 out
Alarm In/Out	1 / 1
Corridor mode	Yes
IVS	Yes
Power	PoE (802.3af) / 12V DC
PoE Class	0
Power consumption	DC: 5.9W PoE: 7.7W
Casing material	Metal
Dimensions (mm)	184.67x66.50x63.05
Net/Gross weight (g)	460 / 565
Protection	IP67
Power surge suppressor	TVS 4000V
Working temperature	-40°C ... +60°C

5 MP outdoor camera with motorized lens and IR – illumination up to 70m

TR-D2253WDZIR7 v2

Model	TR-D2253WDZIR7
Image sensor	1/2.8" CMOS 5MP
Resolution	5MP(2592x1920) 4MP(2560x1440) 3MP(2304x1280) 2MP(1920x1280)
Frame rate	5MP/4MP/3MP/2MP@25fps
Electronic shutter speed	1/2 ~ 1/1 000 s
Day/Night mode	Mechanical ICR
Sensitivity	0.002Lux (F1.3)
IR range	up to 70 m
Lens (mm)	2.7 - 13.5 (motorzoom)
Field of view (horiz./vert.)	93˚-29˚ / 69˚-22˚
Axes setting	Pan: 0˚-360˚ Tilt: 0˚-105˚ Rotation: 0˚-360˚
WDR	Real WDR (120dB)
Digital Noise Reduction	3D DNR
Video compression	H.265+ / H.265 / H.264+ / H.264
Bitrate	up to 8Mbps
Local storage	MicroSD up to 128GB
Audio	Built-in microphone 1 in / 1 out
Alarm In/Out	1 / 1
Corridor mode	Yes
IVS	Yes
Power	PoE (802.3af) / 12V DC
PoE Class	0
Power consumption	DC: 8.3W PoE: 9.6W
Casing material	Metal
Dimensions (mm)	234.33x77.5x73.4
Net/Gross weight (g)	635 / 830
Protection	IP67, IK08
Power surge suppressor	TVS 4000V
Working temperature	-40°C ... +60°C

H.265+ HEVC · Real WDR · IP67 · IK08

8 MP outdoor camera with IR – illumination up to 40m

TR-D2281WDIR4

Model	TR-D2281WDIR4
Image sensor	1/2.8" CMOS 8MP
Resolution	8MP(3840x2160)
Frame rate	8MP@20fps (WDR off) 8MP@15fps (WDR on)
Electronic shutter speed	1/3 ~ 1/10 000 s
Day/Night mode	Mechanical ICR
Sensitivity	0.005Lux (F1.8)
IR range	up to 40 m
Lens (mm)	2.8
Field of view (horiz./vert.)	106˚ / 58˚
Axes setting	Pan: 0˚-360˚ Tilt: 0˚-90˚ Rotation: 0˚-360˚
WDR	Real WDR (120dB)
Digital noise reduction	3D DNR
Video compression	H.265+ / H.265 / H.264+ / H.264
Bitrate	up to 13Mbps
Local storage	MicroSD up to 128GB
Audio	Built-in microphone AudioIn / AudioOut
Alarm In/Out	1 / 1
Corridor mode	Yes
IVS	Yes
Power supply	PoE (802.3af) / 12V DC
PoE Class	0
Power consumption	DC: 6.5W PoE: 6.8W
Case material	Metal
Dimensions (mm)	176.2 x 68 x 68
Weight Net/Gross (g)	364 / 435
Protection	IP67
Power surge suppressor	TVS 6000V
Working temperature	-40°C ... +60°C

H.265+ HEVC · Real WDR · IP67

8 MP outdoor camera with motorized lens and
IR – illumination up to 70m

TR-D2283WDZIR7

Model	TR-D2283WDZIR7
Image sensor	1/2.8" CMOS 8MP
Resolution	8MP(3840x2160)
Frame rate	8MP@20fps (WDR off) 8MP@15fps (WDR on)
Electronic shutter speed	1/3 ~ 1/10 000 s
Day/Night mode	Mechanical ICR
Sensitivity	0.003Lux (F1.3)
IR range	up to 70 m
Lens (mm)	2.7 - 13.5 (motorzoom)
Field of view (horiz./vert.)	104˚ - 35˚ / 56˚ - 20˚
Axes setting	Pan: 0˚-360˚ Tilt: 0˚-90˚ Rotation: 0˚-360˚
WDR	Real WDR (120dB)
Digital noise reduction	3D DNR
Video compression	H.265+ / H.265 / H.264+ / H.264
Bitrate	up to 13Mbps
Local storage	MicroSD up to 128GB
Audio	Built-in microphone AudioIn / AudioOut
Alarm In/Out	1 / 1
Corridor mode	Yes
IVS	Yes
Power supply	PoE (802.3af) / 12V DC
PoE Class	0
Power consumption	DC: 8.9W PoE: 9W
Case material	Metal
Dimensions (mm)	215.8 x 74.5 x 74.5
Weight Net/Gross (g)	726 / 861
Protection	IP67
Power surge suppressor	TVS 6000V
Working temperature	-40°C ... +60°C

2 MP vandal-proof camera with
IR – illumination up to 20m

TR-D4221WDIR2 v2

Model	TR-D4221WDIR2
Image sensor	1/2.8" CMOS 2MP
Resolution	FullHD(1920x1080)
Frame rate	50Hz: FullHD@25fps 60Hz: FullHD@30fps
Electronic shutter speed	1/2 ~ 1/1 000 s
Day/Night mode	Mechanical ICR
Sensitivity	0.005Lux (F1.8)
IR range	up to 20 m
Lens (mm)	2.8 / 3.6
Field of view (horiz./vert.)	2.8mm: 101˚ / 55˚ 3.6mm: 85˚ / 46˚
Axes setting	Pan: 0˚ Tilt: 0˚-90˚ Rotation: 0˚-55˚
WDR	Real WDR (120dB)
Digital Noise Reduction	3D DNR
Video compression	H.265+ / H.265 / H.264
Bitrate	up to 8Mbps
Local storage	MicroSD up to 128GB
Audio	Built-in microphone 1 in / 1 out
Corridor mode	Yes
IVS	Yes
Power	PoE (802.3af) / 12V DC (1A)
PoE Class	0
Power consumption	DC: 3.4W PoE: 4.0W
Casing material	Metal
Dimensions (mm)	Ø102.20 x 56.38
Net/Gross weight (g)	310 / 400
Protection	IP66, IK10
Power surge suppressor	TVS 4000V
Working temperature	-40°C ... +60°C

5 MP vandal-proof camera with IR – illumination up to 20m

TR-D4251WDIR2 v2

Model	TR-D4251WDIR2
Image sensor	1/2.8" CMOS 5MP
Resolution	5MP(2592x1920) 4MP(2560x1440) 3MP(2304x1280) 2MP(1920x1280)
Frame rate	5MP/4MP/3MP/2MP@25fps
Electronic shutter speed	1/2 ~ 1/1 000 s
Day/Night mode	Mechnical ICR
Sensitivity	0.003Lux (F1.8)
IR range	up to 20 m
Lens (mm)	2.8 / 3.6
Field of view (horiz./vert.)	2.8mm: 91˚ / 66˚ 3.6mm: 76˚ / 56˚
Axes setting	Pan: 0˚ Tilt: 0˚-90˚ Rotation: 0˚-55˚
WDR	Real WDR (120dB)
Digital Noise Reduction	3D DNR
Video compression	H.265+ / H.265 / H.264+ / H.264
Bitrate	up to 8Mbps
Local storage	MicroSD up to 128GB
Audio	Built-in microphone 1 in / 1 out
Alarm In/Out	Yes
Corridor mode	Yes
IVS	PoE (802.3af) / 12V DC
Power	3
PoE Class	DC: 3.9W
Power consumption	PoE: 4.6W
Casing material	Metal
Dimensions (mm)	Ø102.2 x 56.4
Net/Gross weight (g)	310 / 400
Protection	IP66, IK10
Power surge suppressor	TVS 4000V
Working temperature	-40°C ... +60°C

8 MP outdoor camera with IR – illumination up to 20m

TR-D4281WDIR2

Model	TR-D4281WDIR2
Image sensor	1/2.8" CMOS 8MP
Resolution	8MP(3840x2160)
Frame rate	8MP@20fps (WDR off) 8MP@15fps (WDR on)
Electronic shutter speed	1/3 ~ 1/10 000 s
Day/Night mode	Mechanical ICR
Sensitivity	0.005Lux(F1.8)
IR range	up to 20 m
Lens (mm)	2.8
Field of view (horiz./vert.)	106˚ / 58˚
Axes setting	Pan: 0˚-60˚ Tilt: 0˚-80˚ Rotation: 0˚-60˚
WDR	Real WDR (120dB)
Digital noise reduction	3D DNR
Video compression	H.265+ / H.265 / H.264+ / H.264
Bitrate	up to 13Mbps
Local storage	MicroSD up to 128GB
Audio	Built-in microphone AudioIn / AudioOut
Alarm In/Out	1 / 1
Corridor mode	Yes
IVS	Yes
Power supply	PoE (802.3af) / 12V DC
PoE Class	0
Power consumption	DC: 4W PoE: 4.3W
Case material	Metal
Dimensions (mm)	Ø106.7 x 51.1
Weight Net/Gross (g)	350 / 301
Protection	IP67, IK10
Power surge suppressor	TVS 6000V
Working temperature	-40°C ... +60°C

2 MP vandal-proof camera with IR – illumination up to 30m

TR-D3221WDIR3 v2

Model	TR-D3221WDIR3
Image sensor	1/2.8" CMOS 2MP
Resolution	FullHD(1920x1080)
Frame rate	50Hz: FullHD@25fps 60Hz: FullHD@30fps
Electronic shutter speed	1/2 ~ 1/1 000 s
Day/Night mode	Mechanical ICR
Sensitivity	0.005Lux (F1.8)
IR range	up to 30 m
Lens (mm)	2.8 / 3.6
Field of view (horiz./vert.)	2.8mm: 101˚ / 55˚ 3.6mm: 85˚ / 46˚
Axes setting	Pan: 0˚-360˚ Tilt: 0˚-80˚ Rotation: 0˚-360˚
WDR	Real WDR (120dB)
Digital noise reduction	3D DNR
Video compression	H.265+ / H.265 / H.264
Bitrate	up to 8Mbps
Local storage	MicroSD up to 128GB
Audio	Built-in microphone 1 in / 1 out
Alarm In/Out	1 / 1
Corridor mode	Yes
IVS	Yes
Power supply	PoE (802.3af) / 12V DC
PoE Class	3
Power consumption	DC: 4.6W PoE: 5.5W
Case material	Metal
Dimensions (mm)	Ø116.10 x 96.51
Weight Net/Gross (g)	450 / 580
Protection	IP66, IK10
Power surge suppressor	TVS 4000V
Working temperature	-40°C ... +60°C

2 MP vandal-proof Wi-Fi camera with IR – illumination up to 30m

TR-D3221WDIR3W v2

Model	TR-D3221WDIR3W
Image sensor	1/2.8" CMOS 2MP
Resolution	FullHD(1920x1080)
Frame rate	50Hz: FullHD@25fps 60Hz: FullHD@30fps
Electronic shutter speed	1/2 ~ 1/1 000 s
Day/Night mode	Mechanical ICR
Sensitivity	0.005Lux (F1.8)
IR range	up to 30 m
Lens (mm)	2.8
Field of view (horiz./vert.)	101˚ / 55˚
Axes setting	Pan: 0˚-360˚ Tilt: 0˚-80˚ Rotation: 0˚-360˚
WDR	Real WDR (120dB)
Digital Noise Reduction	3D DNR
Video compression	H.265+ / H.265 / H.264
Bitrate	up to 8Mbps
Local storage	MicroSD up to 128GB
Audio	Built-in microphone 1 in / 1 out
Alarm In/Out	1 / 1
Corridor mode	Yes
Wi-Fi	2.4 Ghz
IVS	Yes
Power	PoE (802.3af) / 12V DC
PoE Class	3
Power consumption	DC: 5.3W PoE: 6.1W
Casing material	Metal
Dimensions (mm)	Ø116.1 x 96.5
Net/Gross weight (g)	450 / 600
Protection	IP66, IK10
Power surge suppressor	TVS 4000V
Working temperature	-40°C ... +60°C

2 MP vandal-proof camera with motorized lens and IR – illumination up to 30m

TR-D3223WDZIR3 v2

Model	TR-D3223WDZIR3
Image sensor	1/2.8" CMOS 2MP
Resolution	FullHD(1920x1080)
Frame rate	50Hz: FullHD@25fps 60Hz: FullHD@30fps
Electronic shutter speed	1/2 ~ 1/1 000 s
Day/Night mode	Mechanical ICR
Sensitivity	0.003Lux (F1.3)
IR range	up to 30 m
Lens (mm)	2.7 - 13.5 (motorzoom)
Field of view (horiz./vert.)	101˚-30˚ / 55˚-18˚
Axes setting	Pan: 0°-360° Tilt: 0°-70° Rotation: 0°
WDR	Real WDR (120dB)
Digital noise reduction	3D DNR
Video compression	H.265+ / H.265 / H.264
Bitrate	up to 8Mbps
Local storage	MicroSD up to 128GB
Audio	Built-in microphone 1 in / 1 out
Alarm In/Out	1 / 1
Corridor mode	Yes
IVS	Yes
Power supply	PoE (802.3af) / 12V DC (1A)
PoE Class	3
Power consumption	DC: 5.3W PoE: 6.2W
Case material	Metal
Dimensions (mm)	Ø116.10 x 96.51
Weight Net/Gross (g)	520 / 650
Protection	IP66, IK10
Power surge suppressor	TVS 4000V
Working temperature	-40°C ... +60°C

5 MP vandal-proof camera and IR – illumination up to 30m

TR-D3251WDIR3 v2

Model	TR-D3251WDIR3
Image sensor	1/2.8" CMOS 5MP
Resolution	5MP(2592x1920) 4MP(2560x1440) 3MP(2304x1280) 2MP(1920x1280)
Frame rate	5MP/4MP/3MP/2MP@25fps
Electronic shutter speed	1/2 ~ 1/1 000 s
Day/Night mode	Mechanical ICR
Sensitivity	0.005Lux (F1.8)
IR range	up to 30 m
Lens (mm)	2.8 / 3.6
Field of view (horiz./vert.)	2.8mm: 91˚ / 66˚ 3.6mm: 76˚ / 56˚
Axes setting	Pan: 0˚-360˚ Tilt: 0˚-80˚ Rotation: 0˚-360˚
WDR	Real WDR (120dB)
Digital Noise Reduction	3D DNR
Video compression	H.265+ / H.265 / H.264+ / H.264
Bitrate	up to 8Mbps
Local storage	MicroSD up to 128GB
Audio	Built-in microphone 1 in / 1 out
Alarm In/Out	1 / 1
Corridor mode	Yes
IVS	Yes
Power	PoE (802.3af) / 12V DC
PoE Class	3
Power consumption	DC: 5.1W PoE: 5.8W
Casing material	Metal
Dimensions (mm)	Ø116.10 x 96.51
Net/Gross weight (g)	450 / 580
Protection	IP66, IK10
Power surge suppressor	TVS 4000V
Working temperature	-40°C ... +60°C

5 MP vandal-proof Wi-Fi camera with IR – illumination up to 30m

TR-D3251WDIR3W v2

Model	TR-D3251WDIR3W
Image sensor	1/2.8" CMOS 5MP
Resolution	5MP(2592x1920) 4MP(2560x1440) 3MP(2304x1280) 2MP(1920x1280)
Frame rate	5MP/4MP/3MP/2MP@25fps
Electronic shutter speed	1/2 ~ 1/1 000 s
Day/Night mode	Mechanical ICR
Sensitivity	0.005Lux (F1.8)
IR range	up to 30 m
Lens (mm)	2.8
Field of view (horiz./vert.)	91° / 66°
Axes setting	Pan: 0°-360° Tilt: 0°-80° Rotation: 0°-360°
WDR	Real WDR (120dB)
Digital Noise Reduction	3D DNR
Video compression	H.265+ / H.265 / H.264+ / H.264
Bitrate	up to 8Mbps
Local storage	MicroSD up to 128GB
Audio	Built-in microphone 1 in / 1 out
Alarm In/Out	1 / 1
Corridor mode	Yes
Wi-Fi	2.4 Ghz
IVS	Yes
Power	PoE (802.3af) / 12V DC
PoE Class	3
Power consumption	DC: 5.1W PoE: 6.3W
Casing material	Metal
Dimensions (mm)	Ø116.1 x 96.5
Net/Gross weight (g)	450 / 600
Protection	IP66, IK10
Power surge suppressor	TVS 4000V
Working temperature	-40°C ... +60°C

5 MP vandal-proof camera with motorized lens and IR – illumination up to 30m

TR-D3253WDZIR3 v2

Model	TR-D3253WDZIR3
Image sensor	1/2.8" CMOS 5MP
Resolution	5MP(2592x1920) 4MP(2560x1440) 3MP(2304x1280) 2MP(1920x1280)
Frame rate	5MP/4MP/3MP/2MP@25fps
Electronic shutter speed	1/2 ~ 1/1 000 s
Day/Night mode	Mechanical ICR
Sensitivity	0.002Lux (F1.3)
IR range	up to 30 m
Lens (mm)	2.7 - 13.5 (motorzoom)
Field of view (horiz./vert.)	93°-29° / 69°-22°
Axes setting	Pan: 0°-360° Tilt: 0°-70° Rotation: 0°
WDR	Real WDR (120dB)
Digital Noise Reduction	3D DNR
Video compression	H.265+ / H.265 / H.264+ / H.264
Bitrate	up to 8Mbps
Local storage	MicroSD up to 128GB
Audio	Built-in microphone 1 in / 1 out
Alarm In/Out	1 / 1
Corridor mode	Yes
IVS	Yes
Power	PoE (802.3af) / 12V DC
PoE Class	3
Power consumption	DC: 6W PoE: 6.8w
Casing material	Metal
Dimensions (mm)	Ø116.10 x 96.51
Net/Gross weight (g)	520 / 650
Protection	IP66, IK10
Power surge suppressor	TVS 4000V
Working temperature	-40°C ... +60°C

8 MP outdoor camera with motorized lens and IR – illumination up to 40m

TR-D3281WDIR4

Model	TR-D3281WDIR4
Image sensor	1/2.8" CMOS 8MP
Resolution	8MP(3840x2160)
Frame rate	8MP@20fps (WDR off) 8MP@15fps (WDR on)
Electronic shutter speed	1/3 ~ 1/10 000 s
Day/Night mode	Mechanical ICR
Sensitivity	0.005Lux (F1.8)
IR range	up to 40 m
Lens (mm)	2.8
Field of view (horiz./vert.)	106˚ / 58˚
Axes setting	Pan: 0˚-355˚ Tilt: 0˚-75˚ Rotation: 0˚-355˚
WDR	Real WDR (120dB)
Digital noise reduction	3D DNR
Video compression	H.265+ / H.265 / H.264+ / H.264
Bitrate	up to 13Mbps
Local storage	MicroSD up to 128GB
Audio	Built-in microphone AudioIn / AudioOut
Alarm In/Out	1 / 1
Corridor mode	Yes
IVS	Yes
Power supply	PoE (802.3af) / 12V DC
PoE Class	0
Power consumption	DC: 4.5W PoE: 4.6W
Case material	Metal
Dimensions (mm)	Ø112.2 x 89.7
Weight Net/Gross (g)	795 / 650
Protection	IP67, IK10
Power surge suppressor	TVS 6000V
Working temperature	-40°C ... +60°C

8 MP outdoor camera with motorized lens and IR – illumination up to 40m

TR-D3283WDZIR4

Model	TR-D3283WDZIR4
Image sensor	1/2.8" CMOS 8MP
Resolution	8MP(3840x2160)
Frame rate	8MP@20fps (WDR off) 8MP@15fps (WDR on)
Electronic shutter speed	1/3 ~ 1/10 000 s
Day/Night mode	Mechanical ICR
Sensitivity	0.003Lux (F1.3)
IR range	up to 40 m
Lens (mm)	2.7 - 13.5 (motorzoom)
Field of view (horiz./vert.)	104˚ - 35˚ / 56˚ - 20˚
Axes setting	Pan: 0˚-355˚ Tilt: 0˚-72˚ Rotation: 0˚-355˚
WDR	Real WDR (120dB)
Digital noise reduction	3D DNR
Video compression	H.265+ / H.265 / H.264+ / H.264
Bitrate	up to 13Mbps
Local storage	MicroSD up to 128GB
Audio	Built-in microphone AudioIn / AudioOut
Alarm In/Out	1 / 1
Corridor mode	Yes
IVS	Yes
Power supply	PoE (802.3af) / 12V DC
PoE Class	0
Power consumption	DC: 8.4W PoE: 8.3W
Case material	Metal
Dimensions (mm)	Ø142.2 x 113.4
Weight Net/Gross (g)	793 / 942
Protection	IP67, IK10
Power surge suppressor	TVS 6000V
Working temperature	-40°C ... +60°C

2 MP outdoor FTC camera

TR-D8221WDC

Model	TR-D8221WDC
Image sensor	1/2.8" CMOS 2MP
Resolution	FullHD(1920x1080)
Frame rate	50Hz: FullHD@25fps 60Hz: FullHD@30fps
Electronic shutter speed	1/2 ~ 1/1 000 s
Day/Night mode	FTC
Sensitivity	0.0015Lux (F1.0)
Lens (mm)	4.0
Field of view (horiz./vert.)	80˚ / 43˚
Axes setting	Pan: 0˚-360˚ Tilt: 0˚-110˚ Rotation: 0˚-360˚
WDR	Real WDR (120dB)
Digital noise reduction	3D DNR
Video compression	H.265+ / H.265 / H.264
Bitrate	up to 8Mbps
Local storage	MicroSD up to 128GB
Audio	Built-in microphone 1 out
Alarm In / Out	1 / 1
Corridor mode	Yes
IVS	Yes
Power supply	PoE (802.3af) / 12V DC
PoE Class	0
Power consumption	DC: 1.8W PoE: 2.9W
Case material	Metal
Dimensions (mm)	Ø 93 x 92.2
Weight Net/Gross (g)	400 / 490
Protection	IP66, IK10
Power surge suppressor	TVS 4000V
Working temperature	-40°C ... +60°C

2 MP outdoor camera with IR – illumination up to 30m

TR-D8221WDIR3 v2

Model	TR-D8221WDIR3
Image sensor	1/2.8" CMOS 2MP
Resolution	FullHD(1920x1080)
Frame rate	50Hz: FullHD@25fps 60Hz: FullHD@30fps
Electronic shutter speed	1/2 ~ 1/1 000 s
Day/Night mode	Mechanical ICR
Sensitivity	0.005Lux (F1.8)
IR range	up to 30 m
Lens (mm)	1.9 / 2.8 / 3.6
Field of view (horiz./vert.)	1.9mm: 118˚ / 62˚ 2.8mm: 101˚ / 55˚ 3.6mm: 85˚ / 46˚
Axes setting	Pan: 0˚-360˚ Tilt: 0˚-110˚ Rotation: 0˚-360˚
WDR	Real WDR (120dB)
Digital Noise Reduction	3D DNR
Video compression	H.265+ / H.265 / H.264
Bitrate	up to 8Mbps
Local storage	MicroSD up to 128GB
Audio	Built-in microphone 1 in / 1 out
Alarm In/Out	1 / 1
Corridor mode	Yes
IVS	Yes
Power	PoE (802.3af) / 12V DC
PoE Class	0
Power consumption	DC: 4.7W PoE: 5.6W
Casing material	Metal
Dimensions (mm)	Ø93 x 92.2
Net/Gross weight (g)	400 / 490
Protection	IP66, IK10
Power surge suppressor	TVS 4000V
Working temperature	-40°C ... +60°C

5 MP outdoor camera with IR – illumination up to 30m

TR-D8251WDIR3 v2

Model	TR-D8251WDIR3
Image sensor	1/2.8" CMOS 5MP
Resolution	5MP(2592x1920) 4MP(2560x1440) 3MP(2304x1280) 2MP(1920x1280)
Frame rate	5MP/4MP/3MP/2MP@25fps
Electronic shutter speed	1/2 ~ 1/1 000 s
Day/Night mode	Mechanical ICR
Sensitivity	0.003Lux (F1.8)
IR range	up to 30 m
Lens (mm)	1.9 / 2.8 / 3.6
Field of view (horiz./vert.)	1.9mm: 104˚ / 75˚ 2.8mm: 91˚ / 66˚ 3.6mm: 76˚ / 56˚
Axes setting	Pan: 0˚-360˚ Tilt: 0˚-90˚ Rotation: 0˚-360˚
WDR	Real WDR (120dB)
Digital Noise Reduction	3D DNR
Video compression	H.265+ / H.265 / H.264+ / H.264
Bitrate	up to 8Mbps
Local storage	MicroSD up to 128GB
Audio	Built-in microphone 1 in / 1 out
Alarm In/Out	1 / 1
Corridor mode	Yes
IVS	Yes
Power	PoE (802.3af) / 12V DC
PoE Class	0
Power consumption	DC: 5.2W PoE: 7.2W
Casing material	Metal
Dimensions (mm)	Ø93 x 92.2
Net/Gross weight (g)	400 / 490
Protection	IP66, IK10
Power surge suppressor	TVS 4000V
Working temperature	-40°C ... +60°C

2 MP outdoor FTC camera for night shooting camera with IR – illumination up to 30m

TR-D8221WDCL3

Model	TR-D8221WDCL3
Image sensor	1/2.8" CMOS 2MP
Resolution	FullHD(1920x1080)
Frame rate	FullHD@25fps
Electronic shutter speed	1/2 ~ 1/1 000 s
Day/Night mode	FTC
Sensitivity	0.0015Lux (F1.0) / 0Lux (LED on)
LED range	up to 30 m
Lens (mm)	4.0
Field of view (horiz./vert.)	80˚ / 43˚
Axes setting	Pan: 0˚-360˚ Tilt: 0˚-110˚ Rotation: 0˚-360˚
WDR	Real WDR (120dB)
Digital noise reduction	3D DNR
Video compression	H.265+ / H.265 / H.264
Bitrate	up to 8Mbps
Local storage	MicroSD up to 128GB
Audio	Built-in microphone 1 out
Alarm In / Out	1 / 1
Corridor mode	Yes
IVS	Human detection Line crossing Intrusion detection People Counting Loitering
Power supply	PoE (802.3af) / 12V DC
PoE Class	0
Power consumption	DC: 4.2W PoE: 4.8W
Case material	Metal
Dimensions (mm)	Ø93 x 92.2
Weight Net/Gross (g)	400 / 490
Ingress protection	IP66
Lightning protection	TVS 4000V
Working temperature	-40°C ... +60°C

5 MP outdoor FTC camera

TR-D8251WDC

Model	TR-D8251WDC
Image sensor	1/2.7" CMOS 5MP
Resolution	5MP(2880x1632)
Frame rate	5MP@25fps
Electronic shutter speed	1/2 ~ 1/1 000 s
Day/Night mode	FTC
Sensitivity	0.0015Lux (F1.0)
Lens (mm)	2.8 / 4.0
Field of view (horiz./vert.)	2.8mm: 101˚ / 58˚ 4.0mm: 87˚ / 46˚
Axes setting	Pan: 0˚-360˚ Tilt: 0˚-90˚ Rotation: 0˚-360˚
WDR	Real WDR (120dB)
Digital noise reduction	3D DNR
Video compression	H.265+ / H.265 / H.264
Bitrate	up to 8Mbps
Local storage	MicroSD up to 128GB
Audio	Built-in microphone 1 in / 1 out
Alarm In / Out	1 / 1
Corridor mode	Yes
IVS	Yes
Power supply	PoE (802.3af) / 12V DC
PoE Class	0
Power consumption	DC: 1.8W PoE: 2.4W
Case material	Metal
Dimensions (mm)	Ø 93 x 92.2
Weight Net/Gross (g)	400 / 490
Protection	IP66, IK10
Power surge suppressor	TVS 4000V
Working temperature	-40°C ... +60°C

5 MP outdoor FTC camera for night shooting and IR – illumination up to 30m

TR-D8251WDCL3

Model	TR-D8251WDCL3
Image sensor	1/2.7" CMOS 5MP
Resolution	5MP(2880x1632)
Frame rate	5MP@25fps
Electronic shutter speed	1/2 ~ 1/1 000 s
Day/Night mode	FTC
Sensitivity	0.0015Lux (F1.0) / 0Lux (LED on)
LED range	up to 30 m
Lens (mm)	2.8 / 4.0
Field of view (horiz./vert.)	2.8мм: 101˚/ 58˚ 4.0мм: 87˚ / 46˚
Axes setting	Pan: 0˚-360˚ Tilt: 0˚-90˚ Rotation: 0˚-360˚
WDR	Real WDR (120dB)
Digital noise reduction	3D DNR
Video compression	H.265+ / H.265 / H.264
Bitrate	up to 8Mbps
Local storage	MicroSD up to 128GB
Audio	Built-in microphone 1 in / 1 out
Alarm In / Out	1 / 1
Corridor mode	Yes
IVS	Yes
Power supply	PoE (802.3af) / 12V DC
PoE Class	0
Power consumption	DC: 3.6W PoE: 4.5W
Case material	Metal
Dimensions (mm)	Ø 93 x 92.2
Weight Net/Gross (g)	400 / 490
Protection	IP66, IK10
Power surge suppressor	TVS 4000V
Working temperature	-40°C ... +60°C

8 MP outdoor camera with IR – illumination up to 40m

TR-D8281WDIR4

Model	TR-D8281WDIR4
Image sensor	1/2.8" CMOS 8MP
Resolution	8MP(3840x2160)
Frame rate	8MP@20fps (WDR off) 8MP@15fps (WDR on)
Electronic shutter speed	1/3 ~ 1/10 000 s
Day/Night mode	Mechanical ICR
Sensitivity	0.005Lux (F1.8)
IR range	up to 40 m
Lens (mm)	2.8
Field of view (horiz./vert.)	106˚ / 58˚
Axes setting	Pan: 0˚-360˚ Tilt: 0˚-90˚ Rotation: 0˚-360˚
WDR	Real WDR (120dB)
Digital noise reduction	3D DNR
Video compression	H.265+ / H.265 / H.264+ / H.264
Bitrate	up to 13Mbps
Local storage	MicroSD up to 128GB
Audio	Built-in microphone AudioIn / AudioOut
Alarm In/Out	1 / 1
Corridor mode	Yes
IVS	Yes
Power supply	PoE (802.3af) / 12V DC
PoE Class	0
Power consumption	DC: 7.1W PoE: 7.3W
Case material	Metal
Dimensions (mm)	Ø103.5 x 82.4
Weight Net/Gross (g)	330 / 383
Protection	IP67
Power surge suppressor	TVS 6000V
Working temperature	-40°C ... +60°C

5 MP indoor camera

TR-D1250WD v2

Model	TR-D1250WD
Image sensor	1/2.8" CMOS 5MP
Resolution	5MP(2592x1920) 4MP(2560x1440) 3MP(2304x1280) 2MP(1920x1280)
Frame rate	5MP/4MP/3MP/2MP@25fps
Electronic shutter speed	1/2 ~ 1/1 000 s
Day/Night mode	Mechanical ICR
Sensitivity	0.001Lux(F1.2)
Lens (mm)	C/CS mount
WDR	Real WDR (120dB)
Digital noise reduction	3D DNR
Video compression	H.265+ / H.265 / H.264+ / H.264
Bitrate	up to 8Mbps
Local storage	MicroSD up to 128GB
Audio	Built-in microphone 1 in / 1 out
Alarm In / Out	1 / 1
Corridor mode	Yes
IVS	Yes
Power supply	PoE (802.3af) / 12V DC
PoE Class	0
Power consumption	DC: 2.6W PoE: 3.4W
Case material	Metal
Dimensions (mm)	157.9 x 76 x 70
Weight Net/Gross (g)	450 / 550
Power surge suppressor	TVS 4000V
Working temperature	-10°C ... +50°C

5 MP fisheye camera with IR – illumination up to 30m

TR-D9251WDIR3

Model	TR-D9251WDIR3
Image sensor	1/2.8" CMOS 5MP
Resolution	5MP(2592x1920) 4MP(2560x1440) 3MP(2304x1280) 2MP(1920x1280)
Frame rate	5MP/4MP/3MP/2MP@25fps
Electronic shutter speed	1/2 - 1/1 000 s
Day/Night mode	Mechanical ICR
Sensitivity	0.003Lux (F1.8)
IR range	up to 30 m
Lens (mm)	1.4
Field of view (horiz./vert.)	180˚ / 180˚
WDR	Real WDR (120dB)
Digital Noise Reduction	3D DNR
Video compression	H.265+ / H.265 / H.264
Bitrate	up to 8Mbps
Local storage	MicroSD up to 128GB
Audio	Built-in microphone 1 in / 1 out
Alarm In/Out	1 / 1
Corridor mode	Yes
IVS	PoE (802.3af) / 12V DC
Power	0
PoE Class	DC: 6.4W
Power consumption	PoE: 7.7W
Casing material	Metal
Dimensions (mm)	Ø120 x 58
Net/Gross weight (g)	380 / 540
Protection	IP65
Power surge suppressor	TVS 4000V
Working temperature	-30°C ... +60°C

5 MP indoor Wi-Fi camera with IR – illumination up to 20m

TR-D7251WDIR2W v2

Model	TR-D7251WDIR2W
Image sensor	1/2.8" CMOS 5MP
Resolution	5MP(2592x1920) 4MP(2560x1440) 3MP(2304x1280) 2MP(1920x1280)
Frame rate	5MP/4MP/3MP/2MP@25fps
Electronic shutter speed	1/2 ~ 1/1 000 s
Day/Night mode	Mechanical ICR
Sensitivity	0.003Lux (F1.8)
IR range	up to 20 m
Lens (mm)	2.8
Field of view (horiz./vert.)	91˚ / 66˚
Axes setting	Pan: 0˚-360˚ Tilt: 0˚-90˚ Rotation: 0˚-30˚
WDR	Real WDR (120dB)
Digital Noise Reduction	3D DNR
Video compression	H.265+ / H.265 / H.264+ / H.264
Bitrate	up to 8Mbps
Local storage	MicroSD up to 128GB
Audio	Built-in microphone 1 in / 1 out
Motion sensor	PIR-sensor
Wi-Fi	2.4 Ghz
Corridor mode	Yes
IVS	Yes
Power	PoE (802.3af) / 12V DC
PoE Class	3
Power consumption	DC: 3.5W PoE: 4.1W
Casing material	Plastic
Dimensions (mm)	60 x 99 x 32.8
Net/Gross weight (g)	95 / 220
Working temperature	-10°C ... +50°C

2 MP indoor Wi-Fi camera with IR – illumination up to 15m

TR-D7221WDIR2W v2

Model	TR-D7221WDIR2W
Image sensor	1/2.8" CMOS 2MP
Resolution	FullHD(1920x1080)
Frame rate	50Hz: FullHD@25fps 60Hz: FullHD@30fps
Electronic shutter speed	1/2 ~ 1/1 000 s
Day/Night mode	Mechanical ICR
Sensitivity	0.005Lux (F1.8)
IR range	up to 15 m
Lens (mm)	2.8 / 3.6
Field of view (horiz./vert.)	2.8mm: 101˚ / 55˚ 3.6mm 85˚ / 46˚
Axes setting	Pan: 0˚-360˚ Tilt: 0˚-90˚ Rotation: 0˚-360˚
WDR	Real WDR (120dB)
Digital Noise Reduction	3D DNR
Video compression	H.265+ / H.265 / H.264
Bitrate	up to 8Mbps
Local storage	MicroSD up to 128GB
Audio	Built-in microphone Built-in speaker
Motion sensor	PIR sensor
Wi-Fi	2.4 Ghz
Corridor mode	Yes
IVS	Yes
Power	PoE (802.3af) / 12V DC
PoE Class	3
Power consumption	DC: 3.1W PoE: 4.2W
Casing material	Plastic
Dimensions (mm)	60 x 99 x 32.8
Net/Gross weight (g)	95 / 220
Working temperature	-10°C ... +50°C

5 MP indoor camera with IR – illumination up to 10m

TR-D7151IR1

Model	TR-D7151IR1
Image sensor	1/2.8" CMOS 5MP
Resolution	5MP(2592x1944) 4MP(2592x1520) 3MP(2304x1296)
Frame rate	5MP@15fps 4MP@20fps 3MP@25fps
Electronic Shutter Speed	1/2 ~ 1/1 000 c
Day/Night Mode	Mechanical ICR
Sensitivity	0.003Lux (F1.8)
IR range	up to 10 m
Lens (mm)	1.4 / 1.9 / 2.8
Field of view (horiz./vert.)	1.4mm: 180˚ / 180˚ 1.9mm: 126˚±5˚ / 95˚±5˚ 2.8mm: 102˚±5˚ / 72˚±5˚
WDR	Real WDR (120dB)
Digital noise reduction	3D DNR
Video compression	H.265 / H.264
Bitrate	up to 8Mbps
Local storage	MicroSD up to 128Gb
Audio	Built-in microphone Built-in speaker
Motion detector	PIR-sensor
Corridor mode	Yes
IVS	Yes
RTC	Yes
Power supply	PoE (802.3af) / 12V DC
Class PoE	3
Power consumption	DC: 3.9W PoE: 4.6W
Case material	Plastic
Dimensions (mm)	60 x 99 x 32.8
Weight Net/Gross (g)	95 / 220
Working temperature	-10°C ... +50°C

Contacts

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General Profile

Success stories

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