

IRB

Direct Drive Bullet PTZ Camera

2 MP

4 MP



Features



Classified Object

Focuses on human and vehicle targets classification based on deep learning



Perimeter Protection

Line crossing, intrusion, region entrance, region exiting



60W PoE

Ease of installation and Cost savings. Support IEEE 802.3bt allows for up to 60 W



Direct-Drive technology

The silence of precision, speed and reliability. The best alternative to belt drives



Visual & thermal views

Customized Equipped with high sensitivity light image or thermal image module



Low Light technology

Super large 1/1.8" CMOS sensor and laser night provides excellent night view



Impact resistance

High Strength Aluminum Alloy w/anti-corrosive coating, plus shock resistance with IK10



Reduce installation times

Install only one camera instead of two and choose from multiple accessory options



Optical Image Stabilisation

Guarentees the stability and clarity of the image

8MP 20x PTZ Camera

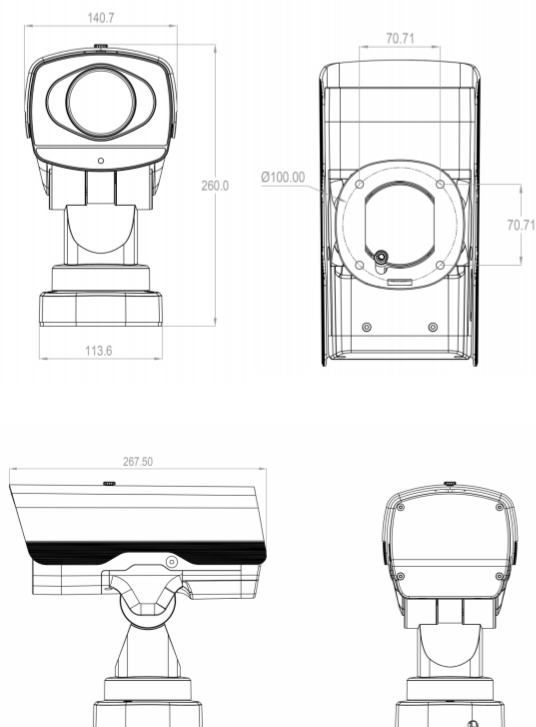
FTD-IRB-E2085



- 30 fps @ 3840x2160 (8MP)
- 20x Optical Zoom, Auto Focus
- 0.001 Lux color night with Premium Starlight
- 355° Continuous Pan, -60° to 60° (auto flip)
- 100M IR with Laser
- Direct-Drive technology
- Deep Learning Perimeter Protection
- Optical Defog

Dimensions:

(Unit - mm)



SPECIFICATIONS

Camera	
Image Sensor	8MP Starlight Sony progressive scan CMOS (1/2.8)
Field of View	60.5° ~ 6.0°(Horizontal); 36.5° ~ 3.5° (Vertical)
Zoom Speed	3 Sec (Optics, Wide ~ Tele)
Lens	20X Optical (6.5~130mm); auto focus
Resolution	3840x2160 (8MP)
Night vision Range	100m Laser light
D/N Filter	IR Cut Filter Switch (ICR)
Min Illumination	0.001 Lux @ F1.8 (Color); <0.0005 Lux @ F1.8 (B/W)
image	
image Enhancement	120 db WDR/ EIS, BLC, HLC, 2D/3D DNR, ROI, Optical Defog
Digital Zoom	16X
Shutter Speed	Manual (1/25 ~ 1/100,00), Auto
Focus Control	Auto, Semi-automatic, Manual
D/N Control	Customize, Auto, Color on, Color off
S/N	> 56dB
Image Adjustment	Saturation, Brightness, Contrast, Sharpness, White Balance
Video / Audio	
Video Compression	H.264, H.265
Audio Compression	G.711A, G.711U
Frame Rate	3840*2160@25/30fps; 1080P@25/30fps; 720P@25/30fps
Transmission Stream	Triple Stream (Video Bitrate: 32Kbps-16mbps)
Network	
Protocols	TCPIP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, RTP, RTSP, RTCP, NTP, SMTP, SNMP, IPv6
Compatibility	ONVIF (PROFILE S, PROFILE G), SDK, API
Streaming Method	Unicast, Multicast
Web Viewer	Internet Explorer
Function	
Recording	micro SD / SDHC / SDXC card (256g) NAS
Record Type	Manual, Motion Detection, Smart Detection, Schedule
Alarm Triggers	All Intelligent Function
Event Action	Email, Snapshot, Recording, Alarm Out
Event	Smart Motion Detection, Video Shelter
Intelligent Function	Line Crossing, Area Intrusion, Unattended Object, Object Missing, Region Entrance, Region Exiting, Fast Moving, Human Detection, Vehicle Detection
PTZ	
Range	Pan: 355° Endless Tilt: -60° to 60° (auto flip)
Speed	Pan: Manual from 0.1° to 60°/s; preset: 60°/s Tilt: Manual from 0.1° to 60°/s, preset: 60/s
Preset / Patrol	255 Presents, 8 patrols, (32 presets for each patrol)
Technology	Direct-Drive
Glass Window	Yes
Interface	
Network	RJ45(10/100mbps) Ethernet Port
Audio	Audio Out, Audio In
Alarm	Alarm Out, Alarm In
Power	PoE LAN, DC/AC In
Memory Slot	Built-in Micro SD/SDHC/SDXC slot, up to (256GB)
General	
IP Rating	IP66, 6KV Surge Protection
Glass	Hydrophobic film on lens
Power Supply	DC12 V ± 25% (3A Max)
POE Supply	802.3bt (PoE++) -Max: 51W/26W (IR on/off)
Web Language	English
Dimension	H260.0 mm × L267.5 mm× W140.7 mm
Weight	4.0 kg
Operation Humidity	Max Up to 95%RH (Non Condensing)
Operation Temp	-35°C ~ +70°C
Guarantee	
Product Guarantee	2 Years factory Guarantee

4MP 38x PTZ Camera

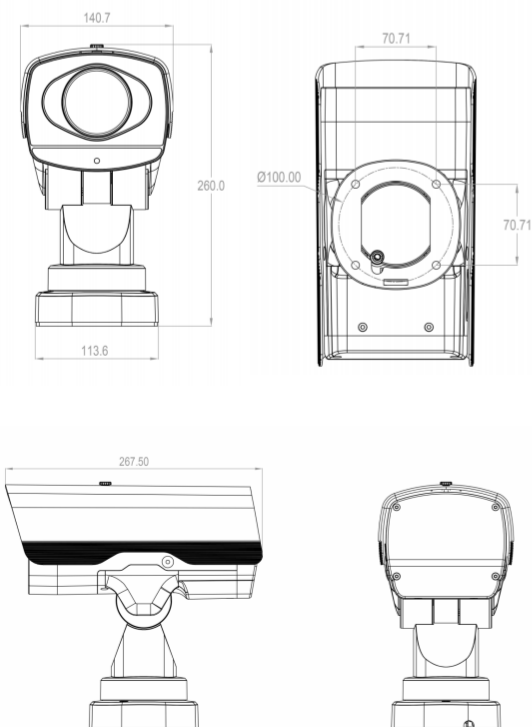
FTD-IRB-E3845



- 2688*1520@50/60fps
- 38x Optical Zoom, Auto Focus
- 1/1.8" Sensor color night with Premium Starlight
- 355° Continuous Pan, -60° to 60° (auto flip)
- 100M IR with Laser
- Direct-Drive technology
- Hydrophobic film on lens
- Deep Learning Perimeter Protection
- Optical Defog

Dimensions:

(Unit - mm)



SPECIFICATIONS

Camera	
Image Sensor	4MP Starlight Sony progressive scan CMOS (1/1.8)
Field of View	61.5° ~ 1.8°(Horizontal); 37.5° ~ 1.05° (Vertical)
Zoom Speed	3 Sec (Optics, Wide ~ Tele)
Lens	38X Optical (6.5 ~ 240 mm); auto focus
Resolution	2688*1520 (4MP)
Night vision Range	100m Laser light
D/N Filter	IR Cut Filter Switch (ICR)
Min Illumination	0.0005 Lux @ F1.5 (Color); <0.0001 Lux @ F1.5 (B/W)
Image	
Image Enhancement	120 db WDR/ EIS, BLC, HLC, 2D/3D DNR, ROI, Optical Defog
Digital Zoom	16X
Shutter Speed	Manual (1/3 ~ 1/300,00), Auto
Focus Control	Auto, Semi-automatic, Manual
D/N Control	Customize, Auto, Color on, Color off
S/N	> 55dB
Image Adjustment	Saturation, Brightness, Contrast, Sharpness, White Balance
Video / Audio	
Video Compression	H.264, H.265
Audio Compression	G.711A, G.711U
Frame Rate	2688*1520@25/30fps; 1080P@25/30fps; 720P@25/30fps
Transmission Stream	Triple Stream (Video Bitrate: 32Kbps-16mbps)
Network	
Protocols	TCPIP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, RTP, RTSP, RTCP, NTP, SMTP, SNMP, IPv6
Compatibility	ONVIF (PROFILE S, PROFILE G), SDK, API
Streaming Method	Unicast, Multicast
Web Viewer	Internet Explorer
Function	
Recording	micro SD / SDHC / SDXC card (256G) NAS
Record Type	Manual, Motion Detection, Smart Detection, Schedule
Alarm Triggers	All Intelligent Function
Event Action	Email, Snapshot, Recording, Alarm Out
Event	Smart Motion Detection, Video Shelter
Intelligent Function	Line Crossing, Area Intrusion, Unattended Object, Object Missing, Region Entrance, Region Exiting, Fast Moving, Human Detection, Vehicle Detection
PTZ	
Range	Pan: 355° Endless Tilt: -60° to 60° (auto flip)
Speed	Pan: Manual from 0.1° to 60°/s; preset: 60°/s Tilt: Manual from 0.1° to 60°/s, preset: 60/s
Preset / Patrol	255 Presents, 8 patrols, (32 presets for each patrol)
Technology	Direct-Drive
Glass Window	YES
Interface	
Network	RJ45(10/100mbps) Ethernet Port
Audio	Audio Out, Audio In
Alarm	Alarm Out, Alarm In
Power	PoE LAN, DC/AC In
Memory Slot	Built-in Micro SD/SDHC/SDXC slot, up to (256GB)
General	
IP Rating	IP66, 6KV Surge Protection
Glass	Hydrophobic film on lens
Power Supply	DC12 V ± 25% (3A Max)
POE Supply	802.3bt (PoE++) -Max: 51W/26W (IR on/off)
Web Language	English
Dimension	H260.0 mm × L267.5 mm × W140.7 mm
Weight	4.0 kg
Operation Humidity	Max Up to 95%RH(Non Condensing)
Operation Temp	-35°C ~ +70°C
Guarantee	
Product Guarantee	2 Years factory Guarantee

4MP 32x PTZ Camera

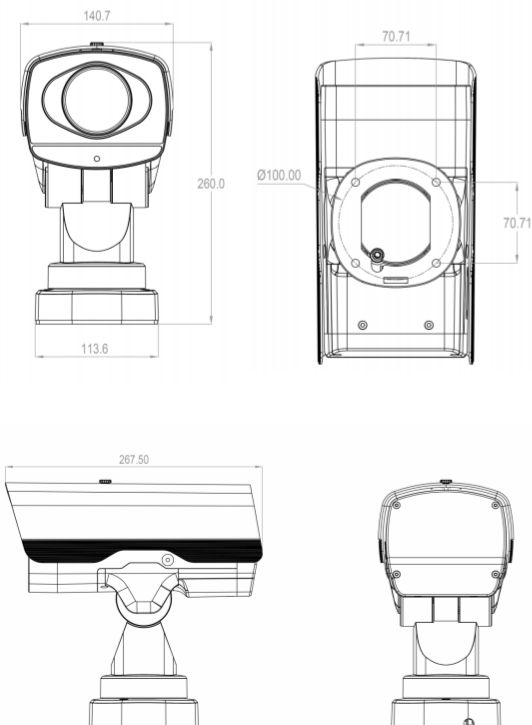
FTD-IRB-E3245



- 2688*1520@50/60fps
- 32x Optical Zoom, Auto Focus
- 1/2.9" Sensor color night with Premium Starlight
- 355° Continuous Pan, -60° to 60° (auto flip)
- 100M IR with Laser
- Direct-Drive technology
- Hydrophobic film on lens
- Deep Learning Perimeter Protection

Dimensions:

(Unit - mm)



SPECIFICATIONS

Camera	
Image Sensor	4MP Starlight Sony progressive scan CMOS (1/2.9)
Field of View	59.5° ~ 2.0° (Horizontal); 35.8° ~ 1.1° (Vertical)
Zoom Speed	5 Sec (Optics, Wide ~ Tele)
Lens	32X Optical (4.7~150mm); auto focus
Resolution	2688*1520 (4MP)
Night vision Range	100m Laser light
D/N Filter	IR Cut Filter Switch (ICR)
Min Illumination	0.005 Lux @ F1.5 (Color); 0.0005Lux @ F1.5 (B/W)
image	
image Enhancement	120 WDR/ EIS, BLC, HLC, 2D/3D DNR, ROI, Electronic Defog
Digital Zoom	16X
Shutter Speed	Manual (1/3 ~ 1/300,00), Auto
Focus Control	Auto, Semi-automatic, Manual
D/N Control	Customize, Auto, Color on, Color off
S/N	> 55dB
Image Adjustment	Saturation, Brightness, Contrast, Sharpness, White Balance
Video / Audio	
Video Compression	H.264, H.265
Audio Compression	G.711A, G.711U
Frame Rate	2688*1520@25/30fps; 1080P@25/30fps; 720P@25/30fps
Transmission Stream	Triple Stream (Video Bitrate: 32Kbps-16mbps)
Network	
Protocols	TCPIP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, RTP, RTSP, RTCP, NTP, SMTP, SNMP, IPv6
Compatibility	ONVIF (PROFILE S, PROFILE G), SDK, API
Streaming Method	Unicast, Multicast
Web Viewer	Internet Explorer
Function	
Recording	micro SD / SDHC / SDXC card (256G) NAS
Record Type	Manual, Motion Detection, Smart Detection, Schedule
Alarm Triggers	All Intelligent Function
Event Action	Email, Snapshot, Recording, Alarm Out
Event	Smart Motion Detection, Video Shelter
Intelligent Function	Line Crossing, Area Intrusion, Unattended Object, Object Missing, Region Entrance, Region Exiting, Fast Moving, Human Detection, Vehicle Detection
PTZ	
Range	Pan: 355° Endless Tilt: -60° to 60° (auto flip)
Speed	Pan: Manual from 0.1° to 60°/s; preset: 60°/s Tilt: Manual from 0.1° to 60°/s, preset: 60/s
Preset / Patrol	255 Presents, 8 patrols, (32 presets for each patrol)
Technology	Direct-Drive
Buildin Heater	YES
Interface	
Network	RJ45(10/100mbps) Ethernet Port
Audio	Audio Out, Audio In
Alarm	Alarm Out, Alarm In
Power	PoE LAN, DC/AC In
Memory Slot	Built-in Micro SD/SDHC/SDXC slot, up to (256GB)
General	
IP Rating	IP66, 6KV Surge Protection
Glass	Hydrophobic film on lens
Power Supply	DC12 V ± 25% (3A Max)
POE Supply	802.3bt (PoE++) -Max: 51W/26W (IR on/off)
Web Language	English
Dimension	H260.0 mm × L267.5 mm× W140.7 mm
Weight	4.0 kg
Operation Humidity	Max Up to 95%RH(Non Condensing)
Operation Temp	-35°C ~ +70°C
Guarantee	
Product Guarantee	2 Years factory Guarantee

4MP 25x PTZ Camera

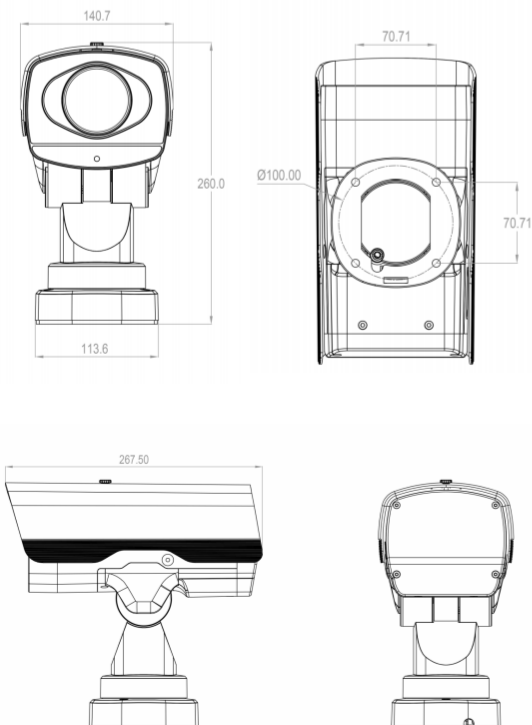
FTD-IRB-E2545



- 2688*1520@50/60fps
- 25x Optical Zoom, Auto Focus
- 1/2.9" Sensor color night with Premium Starlight
- 355° Continuous Pan, -60° to 60° (auto flip)
- 100M IR with Laser
- Direct-Drive technology
- Hydrophobic film on lens
- Deep Learning Perimeter Protection

Dimensions:

(Unit - mm)



SPECIFICATIONS

Camera	
Image Sensor	4MP Starlight Sony progressive scan CMOS (1/2.9)
Field of View	56.5° ~ 2.5° (Horizontal); 33.8° ~ 1.4° (Vertical)
Zoom Speed	4.5 Sec (Optics, Wide ~ Tele)
Lens	25X Optical (5 ~ 125mm); auto focus
Resolution	2688*1520 (4MP)
Night vision Range	100m Laser light
D/N Filter	IR Cut Filter Switch (ICR)
Min Illumination	0.005 Lux @ F1.5 (Color); 0.0005Lux @ F1.5 (B/W)
Image	
Image Enhancement	120 WDR/ EIS, BLC, HLC, 2D/3D DNR, ROI, Electronic Defog
Digital Zoom	16X
Shutter Speed	Manual (1/3 ~ 1/300,00), Auto
Focus Control	Auto, Semi-automatic, Manual
D/N Control	Customize, Auto, Color on, Color off
S/N	> 55dB
Image Adjustment	Saturation, Brightness, Contrast, Sharpness, White Balance
Video / Audio	
Video Compression	H.264, H.265
Audio Compression	G.711A, G.711U
Frame Rate	2688*1520@25/30fps; 1080P@25/30fps; 720P@25/30fps
Transmission Stream	Triple Stream (Video Bitrate: 32Kbps-16Mbps)
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Protocols	TCPIP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, RTP, RTSP, RTCP, NTP, SMTP, SNMP, IPv6
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Event	Smart Motion Detection, Video Shelter
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PTZ	
Range	Pan: 355° Endless Tilt: -60° to 60° (auto flip)
Speed	Pan: Manual from 0.1° to 60°/s; preset: 60°/s Tilt: Manual from 0.1° to 60°/s, preset: 60/s
Preset / Patrol	255 Presents, 8 patrols, (32 presets for each patrol)
Technology	Direct-Drive
Glass Window	YES
Interface	
Network	RJ45(10/100Mbps) Ethernet Port
Audio	Audio Out, Audio In
Alarm	Alarm Out, Alarm In
Power	PoE LAN, DC/AC In
Memory Slot	Built-in Micro SD/SDHC/SDXC slot, up to (256GB)
General	
IP Rating	IP66, 6KV Surge Protection
Glass	Hydrophobic film on lens
Power Supply	DC12 V ± 25% (3A Max)
POE Supply	802.3bt (PoE++) -Max: 51W/26W (IR on/off)
Web Language	English
Dimension	H260.0 mm × L267.5 mm × W140.7 mm
Weight	4.0 kg
Operation Humidity	Max Up to 95%RH (Non Condensing)
Operation Temp	-35°C ~ +70°C
Guarantee	
Product Guarantee	2 Years factory Guarantee