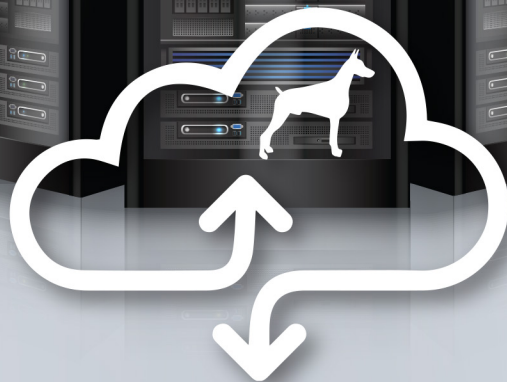


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**CATALOG VER. 2  
2023**

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**MOBILE SURVEILLANCE  
UNIT INSIDE** pages 35-36





LICENSE PLATE RECOGNITION



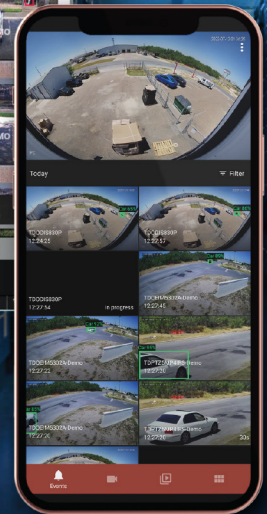
FACE RECOGNITION



OBJECT/SCENE DETECTION



PEOPLE COUNTING



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HD HD HD  
HD HD HD  
HD HD HD  
HD HD HD





# HD OVER COAX/AI





**HD Over Coax**

	4K		
	TDOBCS880MA	TDOECS860MA	TDOECS8302-A
Model			
Image Sensor	1/2.7" CMOS	1/2" CMOS	1 / 2" 4K CMOS
Min. Illumination	0.03 Lux/F1.7 (30IRE) 0 Lux (IR on)	0.005 Lux/F1.5 (30IRE) 0 Lux (IR on)	0.03Lux/F2.0 (30IRE) 0 Lux (IR on)
Lens	2.7-13.5mm, Motorized	2.7-13.5mm, Motorized	2.8mm, Fixed
FOV-H	105°~33°	112°~46°	105°
Day/Night	ICR	ICR	ICR
Max. IR Distance	197ft, Smart IR	197ft, Smart IR	98ft, Smart IR
OSD Menu	Multi-language	Multi-language	Multi-language
WDR	120dB	120dB	120dB
Noise Reduction	2D/3D	2D/3D	3D NR
Frame Rate	15fps@4K; 20fps@5MP 25fps/30fps@4MP	15fps@4K; 20fps@6MP 25fps/30fps@4MP	15fps@4K, 20fps@5MP 30fps@4MP
Video Output	CVI/CVBS/AHD/TVI switchable	CVI/CVBS/AHD/TVI switchable	HD/SD Switchable
Audio In	Built-in Mic	Built-in Mic	Built-in Mic
Pan/Tilt/Rotation	Pan: 0°~360°; Tilt: 0°~90° Rotation: 0°~360°	Pan: 0°~360°; Tilt: 0°~78° Rotation: 0°~360°	Pan: 0°~360°; Tilt: 0°~78° Rotation: 0°~360°
Ingress Protection	IP67	IP67	IP67
Working Temperature	-30°C~-+60°C (-22°F~-+140°F)	-30°C~-+60°C (-22°F ~ +140°F)	-40°C~-+60°C (-40°F~-+140°F)
Power	DC12V±30% Max. 11W (12V DC, IR on)	DC12V±30% Max. 9.5W (12V DC, IR on)	DC12V±30% Max. 5.2W
Accessories	PFA135	PFA137, PFA203W	PFA13A-E, PFB204W



# H D O V E R C O A X



	4K		5MP	
	TDOBCS8302	TDOECS820LIR2A	TDOBCS560MA	TDOECS560MA
Model		<b>NEW</b> 		
Image Sensor	1/3" CMOS	1/2.8" 8MP CMOS	1/2.7" 5MP CMOS	1/2.8" 5MP STARVIS™ CMOS
Min. Illumination	0.03 Lux/F2.0 (Color) 0 Lux/F2.0 (IR On)	0.01 Lux/F2.0 (Color) 0 Lux/F2.0 (IR/Warm Light On)	0.02 Lux/F1.8 (30IRE) 0 Lux (IR on)	0.005 Lux/F1.3 (Color) 0 Lux/F1.3 (IR on)
Lens	2.8mm, Fixed	2.8mm, Fixed	2.7~12mm, Motorized	2.7~13.5mm, Motorized
FOV-H	105°	106°	93°~30°	102°~29°
Day/Night	ICR	Auto(ICR)/Color/B/W	ICR	ICR
Max. IR Distance	98ft, Smart IR	131ft, Smart IR	197ft, Smart IR	197ft, Smart IR
OSD Menu	Multi-language	Multi-language	Multi-language	Multi-language
WDR	120dB	120dB	DWDR	120dB
Noise Reduction	2D/3D	3D NR	2D/NR	2D/3D
Frame Rate	15fps@4K, 20fps@5MP 30fps@4MP	15fps@4K, 25fps@5MP 25fps@4MP, 1080p@25fps	20fps@5MP 25/30fps@4MP, 25/30fps@1080P	20fps@5MP 30fps@4MP, 30fps@1080P
Video Output	HD/SD Switchable	CVI/CVBS/AHD/TVI	HD/SD Switchable	HD/SD Switchable
Audio	-	Built-in Mic	Built-in Mic	1ch in & Built-in Mic
Pan/Tilt/Rotation	Pan: 0°~360°; Tilt: 0°~90° Rotation: 0°~360°	Pan: 0°~360°; Tilt: 0°~78° Rotation: 0°~360°	Pan: 0°~360°; Tilt: 0°~90° Rotation: 0°~360°	Pan: 0°~360°; Tilt: 0°~78° Rotation: 0°~360°
Ingress Protection	IP67	IP67	IP67	IP67
Working Temperature	-40°C~+60°C (-40°F~+140°F)	-40°C~+60°C (-40°F~+140°F)	-40°C~+60°C (-40°F ~ +140°F)	-30°C~+60°C (-22°F~+140°F)
Power	DC12V±30% Max. 6W	DC12V±30% Max. 5.7W LED on	DC12V±30% Max. 12W IR ON	DC12V±30% Max. 10W
Accessories	PFA134	PFA13A-E, PFB203W	PFA135	PFA137, PFB203W



<b>5MP</b>				
Model	<b>TDOECS540L2A-PD</b>	<b>TDOECS520LIR2A</b>	<b>TDODHS530M</b>	<b>TDOECS5302A</b>
		<b>NEW</b> 		
Image Sensor	1/2.7" 5MP CMOS	1/2.7" 5MP CMOS	1/2.7" 5MP CMOS	1/2.7" 5MP CMOS
Min. Illumination	0.005 Lux/F1.2 0 Lux (Warm Light on)	0.05 Lux/F1.6 (Color, 30 IRE) 0 Lux (IR on)	0.01 Lux/F1.6 (30 IRE) 0 Lux (IR on)	0.02 Lux/F2.0 (30 IRE) 0 Lux (IR on)
Lens	2.8mm, Fixed	2.8mm, Fixed	2.7~12mm, Motorized	2.8mm, Fixed
FOV-H	98°	106°	34°~107°	111°
Day/Night	ICR	Auto(ICR)/Color/B/W	ICR	ICR
Max. IR Distance	132ft, Warm light	65ft, Warm light	98.4ft, Smart IR	98ft, Smart IR
OSD Menu	Multi-language	Multi-language	Multi-language	Multi-language
WDR	65dB	DWDR	DWDR	DWDR
Noise Reduction	2D	2D/NR	2D/NR	2D/NR
Frame Rate	20fps@5MP 30fps@4MP, 30fps@1080P	25fps@5MP 25fps@4MP, 25fps@1080P	25fps@5MP	25fps@5MP
Video Output	CVI/CVBS/AHD/TVI Switchable	CVI/CVBS/AHD/TVI Switchable	HD/SD Switchable	CVI/CVBS/AHD/TVI Switchable
Audio In	Built-in Mic, Siren and Alarm Out	Built-in Mic	-	Built-in Mic
Pan/Tilt/Rotation	Pan: 0°~360°; Tilt: 0°~78° Rotation: 0°~360°	Pan: 0°~360°; Tilt: 0°~78° Rotation: 0°~360°	Pan: 0°~360°; Tilt: 0°~78° Rotation: 0°~360°	Pan: 0°~360°; Tilt: 0°~78° Rotation: 0°~360°
Ingress Protection	IP67	IP67	IP67	IP67
Working Temperature	-40°C~+60°C (-40°F ~ +140°F)	-40°C~+60°C (-40°F ~ +140°F)	-30°C~+60°C (-22°F ~ +140°F)	-40°C~+60°C (-40°F~+140°F)
Power	DC12V±30% Max. 7.7W	DC12V±30% Max. 3.1W	DC12V±30% Max. 5.5 IR ON	DC12V±25% Max. 3.3W IR ON
Accessories	PFA130-E, PFB203W	PFA130-E, PFB204W	PFA137, PFB203W	PFA13A-E, PFB204W



	2MP		
	TDOECS220LIR2A	TDOECS2302	TDOBCS2302
Model	 		
Image Sensor	1/2.8" 2MP CMOS	1/2.7" 2MP CMOS	1/2.7" 2MP CMOS
Min. Illumination	0.01 Lux/F2.0 (Color, 30IRE) 0 Lux (IR on)	0.02 Lux/F1.85 (30IRE) 0 Lux (IR on)	0.02 Lux/F1.9 (30 IRE) 0 Lux (IR on)
Lens	2.8mm, Fixed	2.8mm, Fixed	2.8mm, Fixed
FOV-H	102°	103°	101°
Day/Night	Auto(ICR)/Color/B/W	ICR	ICR
Max. IR Distance	98ft, Smart IR	98ft, Smart IR	98ft, Smart IR
OSD Menu	Multi-language	Multi-language	Multi-language
WDR	DWDR	DWDR	DWDR
Noise Reduction	3D NR	2D/NR	2D/NR
Frame Rate	25/30fps@1080P	30fps@1080P	25/30fps@1080P 25/30fps@720P
Video Output	CVI/CVBS/AHD/TVI switchable	CVI/CVBS/AHD/TVI Switchable	CVI/CVBS/AHD/TVI Switchable
Audio In	Built-in Mic	Built-in Mic	-
Pan/Tilt/Rotation	Pan: 0°~360°; Tilt: 0°~78° Rotation: 0°~360°	Pan: 0°~360°; Tilt: 0°~78° Rotation: 0°~360°	Pan: 0°~360°; Tilt: 0°~90° Rotation: 0°~360°
Ingress Protection	IP67	IP67	IP67
Working Temp.	-40°C~+60°C (-40°F~+140°F)	-40°C~+60°C (-40°F~+140°F)	-40°C~+60°C (-40°F~+140°F)
Power	DC12V±30% Max. 3.2W (12V DC, IR on)	DC12V±25% Max. 3.2W (12VDC, IR ON)	DC12V±25% Max. 4.1W (12VDC, IR ON)
Accessories	PFA130-E, PFB204W	PFA13A-E, PFB204W	PFA134









<b>PTZ</b>		
	<b>TDPTZHD2M25IRS</b>	<b>TDPTZHD4M30IR</b>
Model		
Image Sensor	1/2.8" 2MP STARVIS™ CMOS	1/3" 4MP CMOS
Min. Illumination	0.005 Lux@F1.6 (Color) 0.0005 Lux@F1.6 (B/W) 0 Lux@F1.6 (IR on)	0.05 Lux@F1.6 (Color) 0.005 Lux@F1.6 (B/W) 0 Lux@F1.6 (IR on)
Lens	4.8~120mm (25x Optical zoom)	4.5~135mm (30x Optical zoom)
FOV-H	59.2° ~ 2.4°	60° ~ 2.2°
Day/Night	Auto(ICR) / Color / B/W	Auto(ICR) / Color / B/W
Max. IR Distance	328ft	328ft
OSD Menu	Supported	Supported
WDR	120dB	120dB
Noise Reduction	Ultra DNR (2D/3D)	Ultra DNR (2D/3D)
Frame Rate	30fps@1080P 30/60fps@720P	30fps@4MP/1080P 30/60fps@720P
Video Output	HD/SD Switchable	HD/SD Switchable
Pan/Tilt	Pan: 0° ~ 360° endless; Tilt: 15° ~ 90°	Pan: 0° ~ 360° endless; Tilt: 15° ~ 90°
Preset Speed	Pan: 240°/s, Tilt: 200°/s	Pan: 400°/s, Tilt: 300°/s
Audio	1	1
Alarm In/Out	2/1	2/1
Ingress Protection	IP66	IP66
Working Temp.	-40°C ~ +70°C (-40°F ~ +158°F)	-40°C ~ +70°C (-40°F ~ +158°F)
Power	DC12V/3A 13W, 20W (IR on)	AC24V/3A Max. 23W (IR on)
Accessories	PFA120, PFA150, PFA151	PFA120, PFA150, PFA151

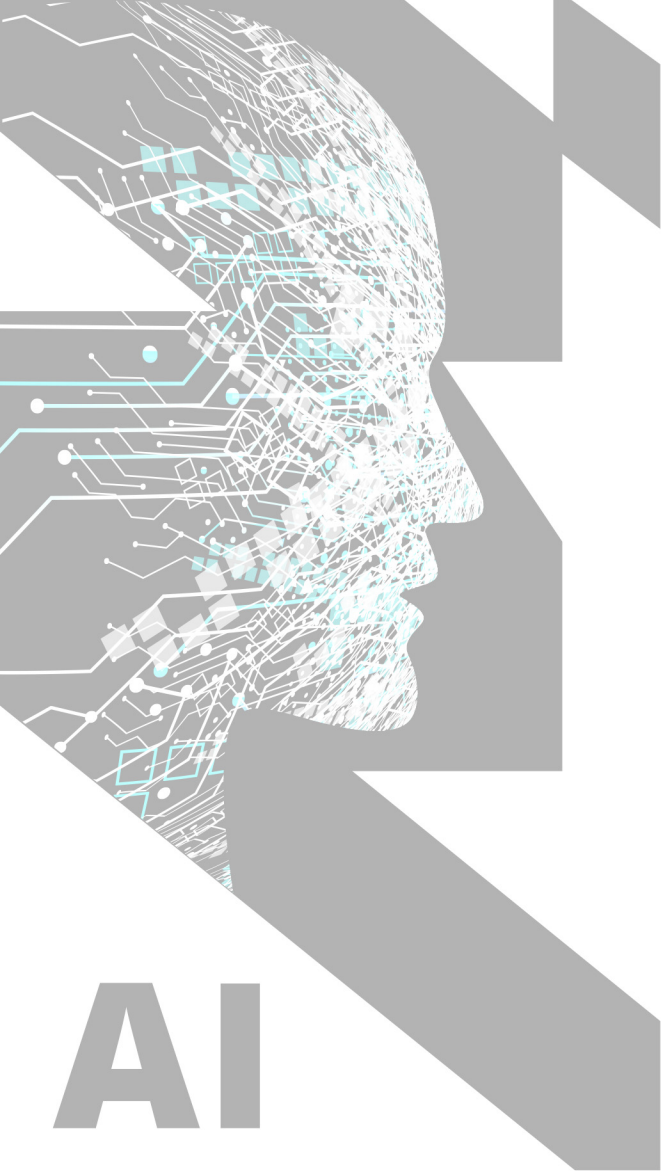
# PTZ PAN-TILT-ZOOM





# H D O V E R C O A X





	1080P		
	TDHDX4H-AI3	TDHDX8-AI3	TDHDX16-AI3
Model	 	 	 
Video Compression	AI Coding/H.265+/H.265/H.264+/H.264	AI Coding/H.265+/H.265/H.264+/H.264	AI Coding/H.265+/H.265/H.264+/H.264
Audio Compression	G.711A; G.711U; PCM	G.711A; G.711U; PCM	G.711A; G.711U; PCM
Video Standard	HDCVI/AHD/CVBS/TVI (Auto-detect)	HDCVI/AHD/CVBS/TVI (Auto-detect)	HDCVI/AHD/CVBS/TVI (Auto-detect)
Max. Record Resolution	ALL CHANNELS 5M-N	All channel: 5M-N	All channel: 5M-N
Max. HDCVI Recording Rate	5MP-N, 4MP-N, 1080p@ 25/30 fps 720p@ 50/60 fps 720p@ 25/30 fps	5M-N (1 fps-10 fps); 4M-N/1080p (1 fps-15 fps); 1080N/720p/960H/ D1/CIF (1 fps-25/30 fps)	5M-N (1 fps-10 fps); 4M-N/1080p (1 fps-15 fps); 1080N/720p/960H/ D1/CIF (1 fps-25/30 fps)
CVBS Input	4CH,1.0Vp-p,75Ω	8CH BNC	16CH BNC
IP Camera Input	4+2 / IPC Up to 6MP	8+4 / IPC Up to 6MP	16+8 / IPC Up to 6MP
Max IP Input/Record	24Mbps/24Mbps	48Mbps/48Mbps	96Mbps/96Mbps
Audio In/Out	1/1, 2-way	1/1, 2-way	1/1, 2-way
Max HDD	1×10TB	1×10TB	1×10TB
Display	HDMI/VGA(1920x1080)	HDMI/VGA(1920x1080)	HDMI(3840x2160), VGA(1920x1080)
eSATA	-	-	-
USB	2 USB2.0	2 USB2.0	1 USB3.0, 1 USB2.0
DVD Burner	USB	USB	USB
Ethernet	1x100M port	1x100M port	1 Gigabit port
Remote User Login	128	128	128
Dimensions	325×255×55mm (12.8"×10.0"×2.2")	325×255×55mm (12.8"×10.0"×2.2")	325×255×55mm (12.8"×10.0"×2.2")
Power	DC 12V/1.5A <4W (WITHOUT HDD)	DC 12V/1.5A <7W (WITHOUT HDD)	DC 12V/1.5A <12W (WITHOUT HDD)
Intelligent Video	Perimeter Protection,Face Detection 1 channel	Perimeter BLA BLA 1 Channel	Perimeter Protection,Face Detection Up to 2 channels
Star Features	SMD Plus 4 Channels	SMD Plus Up to 8 channels (HD)	SMD Plus Up to 16 channels (HD)



4K		
	TDHDX4-4K-AI3	TDHDX8-4K-AI3
Model	 AI	 AI
Video Compression	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264
Audio Compression	AAC/G.711/PCM	AAC/G.711/PCM
Video Standard	HDCVI/AHD/CVBS/TVI (Auto-detect)	HDCVI/AHD/CVBS/TVI (Auto-detect)
Max. Record Resolution	CH01: 4K, CH02-04: 4K-N/4MP	CH01-08: 4K
Max. HDCVI Recording Rate	7fps@4K, 10fps@6MP, 12fps@5MP 15fps@4K-N, 15fps@4MP, 15fps@3MP 30fps@4M-N, 30fps@1080P	7fps@4K, 10fps@6MP, 12fps@5MP 15fps@4K-N, 15fps@4MP, 15fps@3MP 30fps@4M-N, 30fps@1080P
CVBS Input	4CH, 1.0Vp-p, 75Ω	8CH, 1.0Vp-p, 75Ω
IP Camera Input	4+4 / IPC Up to 8MP	8+8 / IPC Up to 8MP
Max IP Input/Record	64Mbps/64Mbps	128Mbps/128Mbps
Audio In/Out	1/1, 2-way	1/1, 2-way
Max HDD	1×10TB	1×10TB
Display	HDMI(3840x2160), VGA(1920x1080)	HDMI/VGA
eSATA	-	-
USB	2 USB2.0	1 USB3.0, 1 USB2.0
DVD Burner	USB	USB
Alarm In/Out	-	-
Ethernet	1x100M port	1 Gigabit port
Remote User Login	128	128
Dimensions	325×255×55mm (12.8"×10.0"×2.2")	325×255×55mm (12.8"×10.0"×2.2")
Power	DC12V/2A, ≤7W(Without HDD)	DC12V/2A, <10W(Without HDD)
Intelligent Video	Perimeter Protection, Face Detection Up to 2 channels	Perimeter Protection, Face Detection Up to 2 channels
Star Features	SMD Plus Up to 4 channels (HD)	SMD Plus Up to 8 channels (HD)

# H D O V E R C O A X



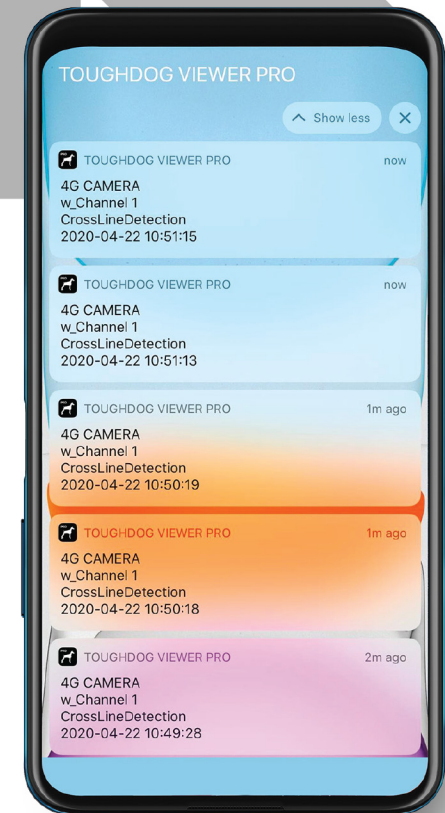
4K		
	<b>TDHDX161-4K-AI3</b>	<b>TDHDX32-4K-AI3</b>
Model	 <div style="border: 1px solid gray; padding: 2px; display: inline-block; margin-left: 10px;">AI</div>	 <div style="border: 1px solid gray; padding: 2px; display: inline-block; margin-left: 10px;">AI</div>
Video Compression	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264
Audio Compression	AAC/G.711/PCM	AAC/G.711/PCM
Video Standard	HDCVI/AHD/CVBS/TVI (Auto-detect)	HDCVI/AHD/CVBS/TVI (Auto-detect)
Max. Record Resolution	CH01-16: 4K	CH01-16: 4K
Max. HDCVI Recording Rate	10fps@4K, 10fps@6MP 12fps@5MP, 15fps@4MP, 15fps@3MP 30fps@4M-N, 30fps@1080P	7fps@4K, 10fps@6MP, 12fps@5MP 15fps@4MP, 15fps@3MP 30fps@4M-N, 30fps@1080P
CVBS Input	16CH,1.0Vp-p,75Ω	16CH,1.0Vp-p,75Ω
IP Camera Input	16+16 / Up to 8MP	Max 32ch / IPC Up to 8MP
Max IP Input/Record	128Mbps/128Mbps	128Mbps/128Mbps
Audio In/Out	16/1, 2-way	1/1, 2-way
Max HDD	1×10TB	2×10TB
Display	HDMI/VGA/SPOT	HDMI, VGA, TV
eSATA	-	-
USB	1 USB3.0, 1 USB2.0	1 USB3.0, 1 USB2.0
DVD Burner	USB	USB
Alarm In/Out	16/3	16/3
Ethernet	1 Gigabit port	1 Gigabit port
Remote User Login	128	128
Dimensions	325×255×55mm (12.8"×10.0"×2.2")	325×255×55mm (12.8"×10.0"×2.2")
Power	DC12V/5A, <15W(Without HDD)	DC12V/5A, ≤32W(Without HDD)
Intelligent Video	Perimeter Protection,Face Detection Up to 2 channels	Perimeter Protection, Face Recognition Up to 6 channels
Star Features	SMD Plus Up to 16 channels	SMD Plus Up to 32 channels (HD)



MOTION  
DETECTION  
THAT WORKS!

## Smart Motion Detection

- MOTION DETECTION TRIGGERED BY PEOPLE, VEHICLES OR BOTH
- FILTER UNWANTED FALSE ALARMS AND RECORDINGS CAUSED BY PETS, LIGHT, INSECTS, TREES ETC.
- RECEIVE ACCURATE MOTION DETECTION PUSH NOTIFICATIONS
- EXTRACT AND CLASSIFY HUMAN AND VEHICLES FROM MASSIVE VIDEO DATA





# IP CAMERAS






IP IP IP IP  
IP IP IP IP  
IP **IP** IP IP  
IP IP IP IP





# IP Cameras



	4K		
	TDOEIA840M	TDOEIA8302SA-AI	TDOEIS830LIR2-A-PD
Model		<b>NEW</b> 	<b>NEW</b> 
Image Sensor	1/2.7" 8MP CMOS	1/2.7" 8MP CMOS	1/2.8" 8MP CMOS
Lens	2.7~13.5mm/F1.5, Motorized	2.8mm/F2.0, Fixed	2.8mm/F1.0, Fixed
FOV-H	113°	106°	106°
Min. Illumination	0.008 Lux@F1.5	0.004 lux@F1.0 (Color, 30 IRE) 0.0004 lux@F1.0 (B/W, 30 IRE) 0 lux (IR on)	0.004 Lux@F1.0 (Color, 30 IRE) 0.0004 Lux@F1.0 (B/W, 30 IRE) 0 Lux (IR on)
Day/Night	ICR / Color / B/W	Auto (ICR)/Color/B/W	ICR / Color / B/W
WDR	120dB	120dB	120dB
Max. IR Distance	131ft	98ft IR/Warm Light	98ft
Video Compression	H.265; H.264; H.264B; MJPEG	H.264H; H.265; H.264; H.264B; MJPEG	H.265/H.264/H.264H/H.264B/MJPEG
Max. Resolution	4K(3840×2160)	8MP (3840 × 2160)	4K(3840×2160)
Frame Rate	15fps@4K	25/30 fps@4K	30fps@4K
Multi-streaming	2 streams	2 streams	3 streams
Pan/Tilt/Rotation	Pan: 0°~360°; Tilt: 0°~78° Rotation: 0°~360°	Pan: 0°~360°; Tilt: 0°~78° Rotation: 0°~360°	Pan: 0°~360°; Tilt: 0°~78° Rotation: 0°~360°
Intelligent Video	Tripwire, Intrusion	Tripwire, Intrusion	Tripwire, Intrusion
Compatibility	ONVIF(Profile S/Profile G/Profile T); CGI; P2P; Milestone; Genetec	ONVIF (Profile S/Profile T); CGI; P2P; Milestone	ONVIF(Profile S/Profile G/Profile T); CGI; Milestone; P2P; RTMP
Audio In/Out	-	Built-in Mic	1/1
Memory Slot	Micro SD, Max. 256GB	Micro SD, Max. 256GB	Micro SD, Max. 256GB
Ingress Protection	IP67	IP67	IP67
Working Temperature	-30°C to +60°C (-22°F to +140°F)	-40 °C to +60 °C (-40 °F to +140 °F)	-40°C~+60°C(-40°F~+140°F)
Power	DC12V, PoE (802.3af) Max. 7.6W	DC12V, PoE (802.3af) Max. 4.5 W (12 VDC); 5.4 W (PoE)	DC12V, PoE (802.3af) Max. 9.2W (DC12 V) 10.2 W (PoE)
Accessories	PFA137, PFB203W	PFB204W	PFA137, PFB203W

# I P C A M E R A S



	4K	5MP		FISHEYE
	TDOBIA8302S	TDODIY550L2-AI	TDODIA530M-AI	TDIDIS510FA
Model		 	 	 
Image Sensor	1/2.7" 8MP CMOS	1/2.7" 5MP CMOS	1/2.7" 5MP CMOS	1/2.7" 5MP CMOS
Lens	2.8mm/F2.0, Fixed	2.8mm/F1.6, Fixed	2.7-13.5mm/F1.5, Motorized	1.4mm/F2.0, Fixed
FOV-H	105°	98°	113°-31°	180°
Min. Illumination	0.009 Lux@F2.0	0.005Lux@F1.6 2 (IR LED); 1 (Warm Light)	0.007 lux@F1.5 (Color, 30 IRE) 0.0007 lux@F1.5 (B/W, 30 IRE) 0 lux (IR on)	0.006 Lux @F2.0
Day/Night	ICR	ICR / Color / B/W	Auto(ICR)/Color/B/W	Auto (ICR)/Color/B/W
WDR	120dB	120dB	120dB	120dB
Max. IR Distance	98ft	164ft	131ft	32ft
Video Compression	H.265/H.264H/MJPEG	H.265+/H.265/H.264+/H.264	H.265; H.264; H.264H; H.264B; MJPEG	H.265/H.264/H.264H/H.264B/MJPEG
Max. Resolution	4K(3840×2160)	5MP(2592×1944)	5MP(2960×1668)	5MP(2592×1944)
Frame Rate	15fps@4K	20fps@5Mp	20fps@5MP, 30fps@4MP	25/30fps@5MP
Multi-streaming	2 streams	3 streams	2 streams	3 streams
Pan/Tilt/Rotation	Pan: 0°~360°; Tilt: 0°~90° Rotation: 0°~360°	Pan: 0°~355°; Tilt: 0°~80° Rotation: 0°~355°	Pan: 0°~355°; Tilt: 0°~67° Rotation: 0°~355°	Pan: 0°~°; Tilt: 0°~° Rotation: 0°~°
Intelligent Video	Tripwire, Intrusion Motion detection Video tampering	Smart Tripwire, Scene Change Motion detection Video Tampering	Tripwire, Intrusion	Tripwire, Intrusion
Compatibility	ONVIF(Profile S/Profile G/Profile T); CGI; Milestone; Genetec	ONVIF(Profile S/Profile G/Profile T); CGI; P2P; Milestone; Genetec	ONVIF (Profile S/Profile G/Profile T); CGI	ONVIF (Profile S/Profile G/Profile T); CGI; Milestone; Genetec; P2P
Audio In/Out	-	1/1, Built-in Mic, Built-in Speaker	Built-in Mic	Built-in Mic
Memory Slot	Micro SD, Max. 128GB	Micro SD, Max. 256GB	Micro SD, Max. 256GB	Micro SD, Max. 256GB
Ingress Protection	IP67	IP67, IK10	IP67, IK10	-
Working Temperature	-40°C~+60°C(-40°F~+140°F)	-40°C~+60°C(-40°F~+140°F)	-30°C~+60°C(-22°F~+140°F)	-10°C~+50°C(14°F~+122°F)
Power	DC12V, PoE (802.3af) Max. 5.5W	DC12V, PoE (802.3af) Max. 8.6W	DC12V, PoE (802.3af) Max. 7.3W(-ZS), 7.4W(-VFS)	DC12V, PoE Max. 7.3W (12V DC); 8.8W (PoE)
Accessories	PFA134	PFA130-E	PFA137, PFB203W	PFB203W





	<b>4MP</b>			
	<b>TDOBIS460MS-AI</b>	<b>TDOEIS450MS-AI</b>	<b>TDOEIS450LR2</b>	<b>TDODIA430MS</b>
Model	 	 	 	
Image Sensor	1/2.9" 4MP CMOS	1/2.9" 4MP CMOS	1/2.9" 4MP CMOS	1/3" 4MP CMOS
Lens	2.7~13.5mm/F1.4, Motorized	2.7mm~13.5mm/F1.5, Motorized	2.8mm/F1.6, Fixed	2.7~13.5mm/F1.5, Motorized
FOV-H	104°~29°	104°~27°	104°~29°	104°~27°
Min. Illumination	0.008 Lux@F1.5 (Color, 30 IRE) 0.0008 lux@F1.5 (B/W, 30 IRE) 0 lux (IR on)	0.008 lux@F1.5 (Color,30IRE) 0.0008 lux@F1.5 (B/W,30IRE) 0 lux (IR on)	0.008 Lux@F1.6 (Color, 30 IRE) 0.0008 Lux@F1.6 (B/W, 30 IRE) 0 Lux (IR on)	0.008 Lux@F1.5
Day/Night	Auto(ICR)/Color/B/W	Auto(ICR)/Color/B/W	Auto (ICR) / Color / B/W	ICR
WDR	120dB	120dB	120dB	120dB
Max. IR Distance	197ft	131ft	98ft IR/Warm Light	132ft
Video Compression	H.265; H.264; H.264H; H.264B; MJPEG	H.265; H.264; H.264H; H.264B; MJPEG	H.264H/H.265/H.264/H.264B/MJPEG	H.265/H.264/H.264B/MJPEG
Max. Resolution	4MP(2560x1440)	4MP(2688x1520)	4MP(2688x1520)	4MP(2560x1440)
Frame Rate	20fps@4MP, 30fps@3MP	20fps@4MP	20fps@4MP / 25/30fps@3MP	20fps@4MP / 25/30fps@3M
Multi-streaming	2 streams	2 streams	2 streams	2 streams
Pan/Tilt/Rotation	Pan: 0°~360°; Tilt: 0°~90° Rotation: 0°~360°	Pan:0°~360°; Tilt: 0°~78° Rotation: 0°~360°	Pan: 0°~360°; Tilt: 0°~78° Rotation: 0°~360°	Pan: 0°~355°; Tilt: 0°~75° Rotation: 0°~355°
Intelligent Video	Tripwire, Intrusion	Tripwire, Intrusion	Tripwire, Intrusion	Tripwire, Intrusion
Compatibility	ONVIF profile S&G CGI, P2P, Milestone, Genetec	ONVIF (Profile S/Profile T); CGI; P2P; Milestone	ONVIF (Profile S/Profile T); CGI; P2P; Milestone	ONVIF (Profile S/Profile G/Profile T); CGI; P2P; Milestone; Genetec
Audio In/Out	-	Built-in Mic	Built-in Mic	1/1
Memory Slot	Micro SD, Max. 256GB	Micro SD, Max. 256GB	Micro SD, Max. 256GB	Micro SD, Max. 256GB
Ingress Protection	IP67	IP67	IP67	IP67, IK10
Working Temperature	-40°C~+60°C(-40°F~+140°F)	-30°C~+60°C(-22°F~+140°F)	-40°C~+60°C(-40°F~+140°F)	-30°C~+60°C(-22°F~+140°F)
Power	DC12V, PoE (802.3af) Max. 8.8W, PoE Max. 10.2 W	DC12V, PoE (802.3af) Max. 6.1W, PoE Max. 7.3W	DC12V, PoE (802.3af) Max. 5.2W, PoE Max. 2.5	DC12V, PoE (802.3af)(Class 0) Max. 5.6W, PoE Max. 6.5
Accessories	PFA135	PFA137, PFB203W	PFA130-E, PFB203W	PFA137, PFB204W

# I P C A M E R A S





	4MP			
	TDOEIA4302SA-AI	TDOEIS430LIR2-A-PD	TDODIA4302-AI	TDOBIA4302-AI
Model	<b>NEW</b> 	<b>NEW</b> 	<b>NEW</b> 	<b>NEW</b> 
Image Sensor	1/3" 4MP CMOS	1/2.7" 4MP CMOS	1/3" 4MP CMOS	1/3" 4MP CMOS
Lens	2.8mm/F1.6, Fixed	2.8mm/F1.0, Fixed	2.8mm/F1.6, Fixed	2.8mm/F1.6, Fixed
FOV-H	92°	101°	102°	102°
Min. Illumination	0.008 lux@F1.6 (Color, 30 IRE) 0.0008 lux@F1.6 (B/W, 30 IRE) 0 lux (IR on)	0.003 Lux@F1.0 (Color, 30 IRE) 0.0003 Lux@F1.0 (B/W, 30 IRE) 0 Lux (IR on)	0.006 lux@F1.6 (Color, 30 IRE) 0.0006 lux@F1.6 (B/W, 30 IRE) 0 lux (IR on)	0.008 lux@F1.6 (Color, 30 IRE) 0.0008 lux@F1.6 (B/W, 30 IRE) 0 lux (IR on)
Day/Night	Auto (ICR) / Color / B/W	Auto (ICR)/Color/B/W	Auto(ICR)/Color/B/W	ICR
WDR	120dB	120dB	120dB	120dB
Max. IR Distance	98ft	98ft IR/Warm Light	98ft	98ft
Video Compression	H.264H; H.265; H.264; H.264B; MJPEG	H.265/H.264/H.264H/H.264B/MJPEG	H.265; H.264; H.264H; H.264B; MJPEG	H.264H; H.265; H.264; H.264B; MJPEG
Max. Resolution	4MP(2688 × 1520)	4MP(2688x1520)	4MP(2688×1520)	4MP(2688 × 1520)
Frame Rate	20fps@4MP	25/30fps@4MP	25/30fps@4MP	25/30fps@4MP
Multi-streaming	2 streams	3 streams	2 streams	2 streams
Pan/Tilt/Rotation	Pan: 0°~360°; Tilt: 0°~78° Rotation: 0°~360°	Pan: 0°~360°; Tilt: 0°~78° Rotation: 0°~360°	Pan: 0°~355°; Tilt: 0°~65° Rotation: 0°~355°	Pan: 0°~360°; Tilt: 0°~90° Rotation: 0°~360°
Intelligent Video	Tripwire, Intrusion	Tripwire, Intrusion, SMD 4.0	Tripwire, Intrusion	Tripwire, Intrusion
Compatibility	ONVIF (Profile S/Profile T); CGI; P2P; Milestone	ONVIF (Profile S/Profile G/Profile T), CGI, Milestone, P2P, RTMP	ONVIF (Profile S/Profile G); CGI; P2P	ONVIF (Profile S/Profile T); CGI; P2P; Milestone
Audio In/Out	Built-in Mic	1/1, Built-in Mic	Built-in Mic	Built-in Mic
Memory Slot	Micro SD, Max. 256GB	Micro SD, Max. 256GB	Micro SD, Max. 256GB	Micro SD, Max. 256GB
Ingress Protection	IP67	IP67	IP67, IK10	IP67
Working Temperature	-40°C~+60°C(-40°F~+140°F)	-40°C~+60°C(-40°F~+140°F)	-40°C~+60°C(-40°F~+140°F)	-40°C~+60°C(-40°F~+140°F)
Power	DC12V, PoE Max. 4.2W, PoE Max. 5.1W	DC12V, PoE Max. 8.3W, PoE Max. 8.8W	DC12V, PoE Max. 5W, PoE Max. 6W	DC12V, PoE Max. 4.2W, PoE Max. 5.1W
Accessories	PFA139, PFB204W	PFA137, PFB203W	PFA136, PFB203W	PFA134







# PANORAMIC

Panoramic technology can capture a wide field of view in a single shot, allowing users to see ~360-degree area without having to move or reposition themselves. This can be useful for a variety of applications, such as monitoring large areas, tracking the movement of people or objects, or creating virtual tours.

	PANORAMIC		
	TDODIS4LP	TDOBIS4LP	TDOBIS8LP
Model	<b>NEW</b> 	<b>NEW</b> 	<b>NEW</b> 
Image Sensor	1/2.7" CMOS	1/2.7" 4MP CMOS	Dual 1/1.8" 2x4MP CMOS
Lens	2.1mm/F2.0, Fixed	2.1mm/F2.0, Fixed	3.6mm/F1.0, Fixed
FOV-H	180°	180°	180°
Min. Illumination	0.01 Lux@F2.0 (Color) 0.001 Lux@F2.0 (B/W) 0 Lux (IR on)	0.01 Lux@F2.0 (Color) 0.001 Lux@F2.0 (B/W) 0 Lux (IR on)	0.0005 Lux@F1.0 (Color) 0.0002 Lux@F1.0 (B/W) 0 Lux (IR on)
Day/Night	Auto (ICR)/Color/B/W	Auto (ICR)/Color/B/W	Color/B/W
WDR	120dB	120dB	140dB
Max. IR Distance	49ft	65ft	131ft
Video Compression	H.265/H.264/H.264B/MJPEG	H.265/H.264/H.264B/MJPEG	H.265/H.264/H.264H/H.264B/MJPEG
Max. Resolution	4MP(2880x1620)	4MP(2880x1620)	8MP(4096x1800)
Frame Rate	25/30fps@4MP	25/30fps@4MP	25fps@8MP
Multi-streaming	3 streams	3 streams	3 streams
Pan/Tilt/Rotation	Pan: 0°-355°; Tilt: 0°-80°; Rotation: 0°-355°	Pan: 0°-360°; Tilt: 0°-90°; Rotation: 0°-360°	Pan: 0°-360°; Tilt: 0°-90°; Rotation: 0°-360°
Intelligent Video	Tripwire, Intrusion, Motion detection, video tampering, scene change, audio detection	Tripwire, Intrusion, Motion detection, video tampering, scene change, audio detection	Tripwire, Intrusion, heat map, and people counting
Compatibility	ONVIF profile S/G/T, CGI, P2P	ONVIF profile S/G/T, CGI, P2P	ONVIF profile S/G/T, CGI, Milestone
Audio In/Out	1/1, Built-in Mic	1/1, Built-in Mic	1/1, Built-in Mic
Memory Slot	Micro SD, Max. 256GB	Micro SD, Max. 256GB	Micro SD, Max. 512GB
Ingress Protection	IP67, IK10	IP67	IP67
Working Temperature	-40°C~+60°C(-40°F~+140°F)	-40°C~+60°C(-40°F~+140°F)	-40°C~+60°C(-40°F~+140°F)
Power	12 VDC, PoE Max. 6.4W, PoE Max. 7.7W	12 VDC, PoE Max. 4W, PoE Max. 6.5W	12 VDC, PoE+ (802.3at)/ePoE Max. 10.5W, PoE Max. 11.8W
Accessories	PFA137, PFB203W	PFA135	PFA5300R

# I P C A M E R A S



	PTZ			
	TDPTZ2MP32IRTS	TDPTZ4MP25IRST	TDPTZ4MP4IRS	TDPTZ4MP32IRTS
Model				
Image Sensor	1/2.8" STARVIS™ CMOS	1/2.8" 4MP STARVIS™ CMOS	1/2.8" 4MP STARVIS™ CMOS	1/2.8" 4MP STARVIS™ CMOS
Lens	4.9~156mm (32x Optical zoom)	5~125mm (25x Optical zoom)	2.8mm~12mm	4.9~156mm (32x Optical zoom)
FOV-H	68.3°~2.2°	51.9°~3.0°	31.6°~96.9°	60°~2.2°
Min. Illumination	0.005 Lux@F1.3 (Color) 0.0005 Lux@F1.3 (B/W) 0 Lux (IR on)	0.005 Lux@F1.6 (Color) 0.0005 Lux@F1.6 (B/W) 0 Lux (IR on)	0.005 Lux@F1.8 (Color) 0.0005 Lux@F1.8 (B/W) 0 Lux (IR on)	0.005 Lux@F1.35 (Color) 0.0005 Lux@F1.35 (B/W) 0 Lux (IR on)
WDR	120dB	120dB	120dB	120dB
Max. IR Distance	492ft	328ft	49.2ft	492ft
Video Compression	H.265/H.265+/H.264+/H.264/MJPEG	H.265H/H.264B/Smart H.265+/H.264/H.265	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264
Max. Resolution	2MP(1920×1080)	4MP(2560×1440)	4MP(2592×1520)	4MP(2592×1520)
Frame Rate	50/60fps@1080P	25/30fps@4MP	25/30fps@4MP	30fps@4MP/3MP/60fps@1080P
Multi-streaming	3 streams	3 streams	3 streams	3 streams
Pan/Tilt	Pan: 0°~360° endless / Tilt: -15°~90°	Pan: 0°~360° endless / Tilt: -5°~90°	Pan: 0°~355° endless / Tilt: -5°~90°	Pan: 0°~360° endless / Tilt: -15°~90°
Preset Speed	Pan: 400°/s; Tilt: 300°/s	Pan: 240°/s; Tilt: 160°/s	Pan: 80°/s; Tilt: 40°/s	Pan: 400°/s; Tilt: 300°/s
Intelligent Video	Tripwire, Intrusion Abandoned/Missing, Auto-tracking	Tripwire, Intrusion Abandoned/Missing, Auto-tracking	Tripwire, Intrusion Abandoned/Missing	Tripwire, Intrusion Abandoned/Missing, Auto-tracking Face Detection
Compatibility	ONVIF profile S&G	CGI, SDK, ONVIF profile S/G/T, P2P	ONVIF profile S&G	ONVIF Profile S&G&T; CGI
Audio In/Out	1/1	1/1	1/1, Built-in Mic	1/1
Memory Slot	Micro SD, Max. 256GB	Micro SD, Max. 512GB	Micro SD, Max. 256GB	Micro SD, Max. 256GB
Ingress Protection	IP66	IP66	IP66, IK08	IP67, IK10
Working Temperature	-40°C~+70°C(-40°F~+158°F)	-40°C~+65°C(-40°F~+149°F)	-30°C~+60°C(-22°F~+140°F)	-40°C~+70°C(-40°F~+158°F)
Power	AC24V/3A, PoE+ (802.3at) Max. 24W	DC12V/2 ± 10%, PoE+ (802.3at) Max. 21.5W	DC12V, PoE+ (802.3at) Max. 8.5W	AC24V/3A, PoE+(802.3at) Max. 20W
Accessories	PFA150, PFA151	PFA101, PFB303W	PFA107, PFB303W	PFA150, PFA151



	<b>PTZ</b>		
	<b>TDPTZ4MP4S</b>	<b>TDPT4MP32CT-AI</b>	<b>TDPTZ4MP5IRT-PD</b>
Model	<b>NEW</b> 	<b>NEW</b> 	<b>NEW</b> 
Image Sensor	1/2.8" 4MP CMOS	1/2.8" 4MP STARVIS™ CMOS	1/3" 4MP CMOS
Lens	2.8-12 mm (4x Optical zoom)	4.8-154mm (32x Optical zoom)	2.7mm-13.5mm (5x Optical zoom)
FOV-H	90.3°-29.4°	55.8°-2.3°	90.7°-27.9°
Min. Illumination	0.005 lux@F1.6 (Color) 0.0005 lux@F1.6 (B/W)	0.005 Lux@F1.6 (Color) 0.0005 Lux@F1.6 (B/W)	0.05 lux@F1.7 (Color) 0.005 lux@F1.7 (B/W) 0 lux (IR on)
WDR	DWDR	120dB	DWDR
Max. IR Distance	-	-	98ft
Video Compression	H.264H; H.264B; Smart H.265+; H.264; H.265; MJPEG	H.264H; H.264B; Smart H.265+; H.264; H.265; MJPEG	H.265; H.264B; H.264; MJPEG
Max. Resolution	4MP(2560×1440)	4MP(2560×1440)	4MP(2560×1440)
Frame Rate	25/30fps@4M/3M	25/30 fps@4MP	25/30 fps@4MP
Multi-streaming	3 streams	3 streams	2 streams
Pan/Tilt	Pan: 0°-355° endless / Tilt: 0°-90°	Pan: 0°-360° endless / Tilt: 0° to +90°, auto flip 180	Pan: 0°-355° / Tilt: -15°-+90°
Preset Speed	Pan: 0.1°/s-100°/s; Tilt: 0.1°/s-60°/s	Pan: 500°/s; Tilt: 500°/s	Pan: 26°/s; Tilt: 17.5°/s
Intelligent Video	Tripwire, intrusion, crossing fence detection, loitering detection, abandoned/missing, parking detection, vehicle/human alarm	Tripwire; intrusion, climbing fences, loitering detection, abandoned/missing, parking detection, vehicle/human alarm, linkage tracking	Tripwire, Intrusion
Compatibility	ONVIF(Profile S&G&T); P2P; CGI; SDK	CGI, SDK, ONVIF profile S/G/T, P2P	ONVIF (Profile S&T); CGI
Audio In/Out	-	1/1	1/1, Two-way audio
Memory Slot	Micro SD, Max. 512GB	Micro SD, Max. 512GB	Micro SD, Max. 256GB
Ingress Protection	IP66, IK10	IK10	IP66
Working Temperature	-30 °C to +60 °C (-22 °F to +140 °F)	-30 °C to +60 °C (-22 °F to +140 °F)	-30°C~+60°C(-22°F~+140°F)
Power	DC12V, 1 A ± 10% POE (802.3af) Max. 6.1W	24 VDC/2.5 A ± 25% (Included) PoE+ (802.3af) Max. 16 W	DC12V, 1.5 A (±10%) PoE (802.3at) Max. 12.95W (IR)
Accessories	PFA137, PFB203W	-	-




# I P C A M E R A S



ENHANCING  
SURVEILLANCE  
CAPABILITIES

	<b>TDNVR4P4H</b>	<b>TDNVR8P8K</b>
Model		
Processor	Dual-core embedded processor	Industrial-grade embedded processor
Video Compression	H.265/H.264	Smart H.265/H.265 Smart H.264/H.264/MJPEG
IP Video Inputs	4 channel	8 channel
Max IP Input/Record	80Mbps/80Mbps	200Mbps/200Mbps
Max Decoding	1ch@8MP/4ch@1080P	2ch@8MP/8ch@1080P
Display	HDMI, VGA	HDMI, VGA
Max HDD	1 SATA III Port, up to 6TB	2 SATA III ports, up to 10 TB EA
Audio In/Out	1/1, 2-way	1/1
Alarm In/Out	-	4/2
Ethernet	1 RJ-45 port (10/100Mbps)	1 Gigabit Port
PoE	4 Ports (IEEE802.3at/af) Max. 50W	8 Ports (IEEE802.3at/af) 130W
USB	2 USB2.0	2 (1 × front USB2.0; 1 × back USB2.0)
Power	DC48V/1.25A <5.3W(Without HDD)	AC100V~240V <9.6W(Without HDD)
Intelligent Video	-	Face detection, perimeter protection (intrusion and tripwire), IVS, people counting, heat map, and SMD
Star Features	Plug & Play, P2P	Plug & Play, P2P



	<b>TDNVR16P16KS</b>	<b>TDNVR32P16KS</b>	<b>TDNVR64-K-AIL</b>
Model			
Processor	Industrial-grade embedded processor	Industrial embedded micro-processor	Multi-core embedded processor
Video Compression	Smart H.265/H.265 Smart H.264/H.264/MJPEG	Smart H.265/H.265 Smart H.264/H.264/MJPEG	Smart H.265+/H.265 Smart H.264+/H.264/MJPEG
IP Video Inputs	16 channel	32 channel	64 channel
Max IP Input/Record	200Mbps/200Mbps	320Mbps/320Mbps	320 Mbps (160 Mbps when AI function enabled)
Max Decoding	2ch@8MP/8ch@1080P	4ch@8MP/16ch@1080P	4ch@8MP/16ch@1080P
Display	HDMI, VGA	HDMI, VGA	2 HDMI, VGA
Max HDD	2 SATA III ports, up to 10 TB EA	2 SATA III ports, up to 10 TB EA	8 SATA III ports, up to 10 TB EA
RAID	-	-	0/1/5/10
eSATA/Mini SAS	-	-	1 eSATA
Audio In/Out	1/1	1/1	1/1, 2-way
Alarm In/Out	4/2	4/2	16/6
Ethernet	1 Gigabit Port	1 Gigabit Port	2 Gigabit Ports
PoE	16 Ports (IEEE802.3at/af) 130W	16 ports (IEEE802.3af/at) 1-8 ports support ePoE & EoC 130W	-
USB	2 (1 × front USB2.0; 1 × back USB2.0)	2 (1 × front USB2.0; 1 × back USB2.0)	2 USB3.0, 2 USB2.0
Power	AC100V~240V <13.2W(Without HDD)	AC100V~240V <15.2W(Without HDD)	AC100V~240V <16.1W (Without HDD)
Intelligent Video	Face detection, perimeter protection (intrusion and tripwire), IVS, people counting, heat map, and SMD	Perimeter protection, face detection, face recognition, SMD, video metadata (human; motor-vehicle; non-motor vehicle), ANPR, people counting, stereo analysis, crowd distribution, heat map	Tripwire, Intrusion, Scene Change, Abandoned/Missing, Face Detection, People Counting, Heat Map
Star Features	Plug & Play, P2P	Fisheye Dewarp, POS(Optional), Heat Map	Fisheye Dewarp, Smart Track POS, ANPR(Optional), N+M

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	<b>4K</b>	<b>5MP</b>		
	<b>TDOEIM8502SA</b>	<b>TDOBIM550M-AI</b>	<b>TDOEIM540MA-AI</b>	<b>TDODIM540M-AI</b>
Model		 	 	
Image Sensor	1/2.7" 8MP CMOS	1/2.7" 5MP CMOS	1/2.7" 5MP CMOS	1/2.7" 5MP CMOS
Lens	2.8mm/F1.6, Fixed	2.7 ~ 13.5mm, Motorized	2.7 ~ 13.5mm, Motorized	2.7 ~ 13.5mm, Motorized
FOV-H	112.9°	106.25°~ 30.42°	106.25°~ 30.42°	106.25°~ 30.42°
Min. Illumination	Color: 0.005Lux ( F1.6, AGC ON) 0Lux with IR on	Color: 0.002Lux (F1.2, AGC ON) 0Lux ith IR	Color: 0.002Lux (F1.2, AGC ON) 0Lux ith IR	Color:0.002Lux (F1.2, AGC ON) 0Lux with IR
Day/Night	ICR	ICR / Color / B/W	ICR / Color / B/W	ICR
WDR	120dB	120dB	120dB	120dB
Max. IR Distance	98ft	164ft	131ft	131ft
Video Compression	Ultra 265, H.265, H.264, MJPEG	Ultra 265,H.265, H.264, MJPEG	Ultra 265,H.265, H.264, MJPEG	Ultra 265, H.265, H.264, MJPEG
Max. Resolution	8MP (3840×2160)	5MP (2880×1620)	5MP (2880×1620)	5MP (2880×1620)
Frame Rate	20fps@8MP	25fps@5MP	25fps@5MP	25/30fps@5MP
Multi-streaming	-	3 streams	3 streams	3 streams
Pan/Tilt/Rotation	Pan: 0°~360°; Tilt: 0°~80° Rotation: 0°~360°	Pan: 0°~360°; Tilt: 0°~78° Rotation: 0°~360°	Pan: 0°~360°; Tilt: 0°~78° Rotation: 0°~360°	Pan: 0°~355°; Tilt: 0°~80° Rotation: 0°~355°
Intelligent Video	Cross Line, Intrusion	Cross Line, Intrusion	Cross Line, Intrusion	Cross Line, Intrusion
Compatibility	ONVIF (Profile S, Profile G, Profile T), API, SDK	ONVIF (Profile S, Profile G, Profile T), API	ONVIF (Profile S, Profile G, Profile T), API	ONVIF (Profile S, Profile G, Profile T), API
Audio In/Out	Built-in Mic	-	Built-in Mic	Built-in Mic
Memory Slot	Micro SD, Max. 256GB	Micro SD, Max. 256GB	Micro SD, Max. 256GB	Micro SD, Max. 256GB
Ingress Protection	IP67	IP67, IK10	IP67, IK10	IP67, IK10
Working Temperature	-30°C~+60°C(-22°F~+140°F)	-30°C~+60°C(-22°F~+140°F)	-40°C~+60°C(-40°F~+140°F)	-30°C~+60°C(-22°F~+140°F)
Power	DC 12V±25%, PoE (IEEE 802.3af) Max. 4.5W	DC12V, PoE (802.3af) Max. 8W	DC12V, PoE Max. 7.0W	DC 12V±25%, PoE (IEEE 802.3af) Max. 7.0W
Accessories	TR-JB03-I-IN, TR-JB07-G-IN	TR-JB07-D-IN, TR-UP06-B-IN	TR-JB03-H-IN, TR-JB07-F-IN	TR-JB04-C-IN, TR-JB07-B-IN

# TDSS

	5MP			FISHEYE
	TDOBIM5402A-AI	TDOEIM5302A-AI	TDOEIM530L2A	TDODIM510F
Model	 	 		
Image Sensor	1/2.7" 5MP CMOS	1/2.7" 5MP CMOS	1/2.7" 5MP CMOS	1/2.8" 5MP CMOS
Lens	2.8mm/F1.6, Fixed	2.8mm/F1.0, Fixed	2.8mm/F1.6, Fixed	1.4mm/F2.0
FOV-H	96°	102°	101.1°	360°
Min. Illumination	Color: 0.003Lux (F1.6, AGC ON) 0Lux with IR on	Color: 0.001Lux (F1.0, AGC ON)	Color: 0.003 Lux (F1.6, AGC ON) 0Lux with IR	0.01 Lux (F2.0, AGC ON) 0Lux with IR
Day/Night	ICR / Color / B/W	ICR / Color / B/W	ICR	ICR
WDR	120dB	120dB	120dB	120dB
Max. IR Distance	131ft	98ft	98ft	33ft
Video Compression	Ultra 265, H.265, H.264, MJPEG	Ultra 265, H.265, H.264, MJPEG	Ultra 265, H.265, H.264, MJPEG	Ultra 265, H.265, H.264, MJPEG
Max. Resolution	5MP (2880×1620)	5MP (2880×1620)	5MP (2880×1620)	5MP (2592×1944)
Frame Rate	25fps@5MP	25fps@5MP	25/30fps@5MP	25/30fps@5MP
Multi-streaming	3 streams	3 streams	3 streams	3 streams
Pan/Tilt/Rotation	Pan: 0°~360°; Tilt: 0°~78° Rotation: 0°~360°	Pan: 0°~360°; Tilt: 0°~90° Rotation: 0°~360°	Pan: 0°~360°; Tilt: 0°~80° Rotation: 0°~360°	-
Intelligent Video	Cross Line, Intrusion	Cross Line, Intrusion	Cross Line, Intrusion	Motion detection, Heat map
Compatibility	ONVIF (Profile S, Profile G, Profile T), API	ONVIF (Profile S, Profile G, Profile T), API	ONVIF (Profile S, Profile G, Profile T), API, SDK	ONVIF (Profile S, Profile G, Profile T), API, SDK
Audio In/Out	Built-in Mic	Built-in Mic	Built-in Mic	2 Built-in Mic
Memory Slot	Micro SD, Max. 256GB	Micro SD, Max. 256GB	Micro SD, Max. 256GB	Micro SD, Max. 256GB
Ingress Protection	IP67	IP67	IP67	IP66, IK10
Working Temperature	-30°C~+60°C(-22°F~+140°F)	-30°C~+60°C(-22°F~+140°F)	-30°C~+55°C(-22°F~+131°F)	-30°C~+60°C(-22°F~+140°F)
Power	DC12V, PoE (802.3af) Max. 5W	DC12V, PoE (802.3af) Max. 7.5W	DC 12V±25%, PoE (IEEE 802.3af) Max. 7.5W	DC12V±25%, PoE (IEEE 802.3af) Max. 8.5W
Accessories	TR-JB05-A-IN, TR-UP06-B-IN	TR-JB03-G-IN, TR-JB07-G-IN	TR-JB03-G-IN, TR-JB07-G-IN	TR-JB03-H-IN


4MP				
Model	TDOBIM450MA	TDOBIM4502SA	TDODIM440MA	TDOEIM440M
				
Image Sensor	1/3" 4MP CMOS	1/3" 4MP CMOS	1/3" 4MP CMOS	1/3" 4MP CMOS
Lens	2.8 ~ 12mm, Motorized	2.8mm/F1.6, Fixed	2.8 ~ 12mm, Motorized	2.8 ~ 12mm, Motorized
FOV-H	102.79°~ 30.86°	101°	102.79°~ 30.86°	102.79°~ 30.86°
Min. Illumination	Color:0.003 Lux (F1.6, AGC ON) 0Lux with IR	Color:0.003 Lux (F1.6, AGC ON) 0Lux with IR	Color:0.003 Lux (F1.6, AGC ON) 0Lux with IR	Color:0.003 Lux (F1.6, AGC ON) 0Lux with IR
Day/Night	ICR	ICR	ICR	ICR
WDR	120dB	120dB	120dB	120dB
Max. IR Distance	164ft	164ft	131ft	131ft
Video Compression	Ultra 265, H.265, H.264, MJPEG	Ultra 265, H.265, H.264, MJPEG	Ultra 265, H.265, H.264, MJPEG	Ultra 265, H.265, H.264, MJPEG
Max. Resolution	4MP(2688×1520)	4MP(2688×1520)	4MP(2688×1520)	4MP(2688×1520)
Frame Rate	20/25fps@4MP	20/25fps@4MP	20/25fps@4MP	20/25fps@4MP
Multi-streaming	2 streams	2 streams	2 streams	2 streams
Pan/Tilt/Rotation	Pan: 0°~360°; Tilt: 0°~90° Rotation: 0°~360°	Pan: 0°~360°; Tilt: 0°~90° Rotation: 0°~360°	Pan: 3°~360°; Tilt: 0°~70° Rotation: 3°~360°	Pan: 0°~360°; Tilt: 0°~75° Rotation: 0°~360°
Intelligent Video	Cross Line, Intrusion	-	Cross Line, Intrusion	Cross Line, Intrusion
Compatibility	ONVIF (Profile S, Profile G, Profile T), API	ONVIF (Profile S, Profile G, Profile T), API	ONVIF (Profile S, Profile G, Profile T), API	ONVIF (Profile S, Profile G, Profile T), API
Audio In/Out	Built-in Mic	Built-in Mic	Built-in Mic	Built-in Mic
Memory Slot	Micro SD, Max. 256GB	Micro SD, Max. 256GB	Micro SD, Max. 256GB	Micro SD, Max. 256GB
Ingress Protection	IP67	IP67	IP67, IK10	IP67
Working Temperature	-30°C~+60°C(-22°F~+140°F)	-30°C~+60°C(-22°F~+140°F)	-30°C~+60°C(-22°F~+140°F)	-30°C~+60°C(-22°F~+140°F)
Power	DC 12V±25%, PoE (IEEE 802.3af) Max. 8.5W	DC 12V±25%, PoE (IEEE 802.3af) Max. 6.0W	DC 12V±25%, PoE (IEEE 802.3af) Max. 7.5W	DC 12V±25%, PoE (IEEE 802.3af) Max. 8.0W
Accessories	TR-JB06-IN, TR-JB05-IN	TR-JB06-IN, TR-JB05-IN	TR-JB03-H-IN, TR-JB07-F-IN	TR-JB03-H-IN, TR-JB07-F-IN



# TDSS




	<b>PANORAMIC</b>	<b>4MP</b>		
	<b>TDOBIM430LP</b>	<b>TDOEIM430L2A</b>	<b>TDOEIM4302SA</b>	<b>TDODIM4302S</b>
Model				
Image Sensor	1/2.9" 4MP CMOS	1/3" 4MP CMOS	1/3" 4MP CMOS	1/3" 4MP CMOS
Lens	2 * 4.0mm/F1.0	2.8mm/F1.6, Fixed	2.8mm/F1.6, Fixed	2.8mm/F1.6, Fixed
FOV-H	160°±10°	112.9°	101°	101°
Min. Illumination	Color:0.0005Lux (F1.0, AGC ON)	Color: 0.003Lux ( F1.6, AGC ON) 0Lux with IR	Color:0.003 Lux (F1.6, AGC ON) 0Lux with IR	Color:0.003 Lux (F1.6, AGC ON) 0Lux with IR
Day/Night	-	ICR / Color / B/W	ICR	ICR
WDR	DWDR	120dB	120dB	120dB
Max. IR Distance	98ft LED	98ft IR/LED	98ft	98ft
Video Compression	Ultra 265, H.265, H.264, MJPEG	Ultra 265, H.265, H.264, MJPEG	Ultra 265, H.265, H.264, MJPEG	Ultra 265, H.265, H.264, MJPEG
Max. Resolution	4MP (3840×1080)	4MP (2688×1520)	4MP(2688×1520)	4MP(2688×1520)
Frame Rate	25fps@4MP	20/25fps@4MP	20/25fps@4MP	20/25fps@4MP
Multi-streaming	2 streams	2 streams	2 streams	2 streams
Pan/Tilt/Rotation	Pan: 0°~30°; Tilt: 0°~90° Rotation: 0°~360°	Pan: 0°~360°; Tilt: 0°~80° Rotation: 0°~360°	Pan: 0°~360°; Tilt: 0°~80° Rotation: 0°~360°	Pan: 3°~360°; Tilt: 0°~68° Rotation: 3°~360°
Intelligent Video	Human Body Detection, Motion detection	Cross Line, Intrusion	Cross Line, Intrusion	Cross Line, Intrusion
Compatibility	ONVIF (Profile S, Profile G, Profile T), API, SDK	ONVIF (Profile S, Profile G, Profile T), API, SDK	ONVIF (Profile S, Profile G, Profile T), API	ONVIF (Profile S, Profile G, Profile T), API
Audio In/Out	Built-in two mics	Built-in Mic and Speaker	Built-in Mic	-
Memory Slot	Micro SD, Max. 256GB	Micro SD, Max. 128GB	Micro SD, Max. 256GB	Micro SD, Max. 256GB
Ingress Protection	IP67	IP67	IP67	IP67, IK10
Working Temperature	-30°C~+60°C(-22°F~+140°F)	-30°C~+60°C(-22°F~+140°F)	-30°C~+60°C(-22°F~+140°F)	-30°C~+60°C(-22°F~+140°F)
Power	DC 12V±25%, PoE (IEEE 802.3af) Max. 6.5W	DC 12V±25%, PoE (IEEE 802.3af) Max. 8W	DC 12V±25%, PoE (IEEE 802.3af) Max. 6.0W	DC 12V±25%, PoE (IEEE 802.3af) Max. 5.5W
Accessories	TR-JB07-D-IN, TR-UP06-B-IN	TR-JB03-I-IN, TR-JB07-G-IN	TR-JB03-I-IN, TR-JB07-G-IN	TR-JB03-G-IN, TR-JB07-G-IN

<b>PTZ</b>				
	<b>TDPTZ5MP4IRS-D-M</b>	<b>TDPTZ4MP25IRST-AI-M</b>	<b>TDPTZ4MP25IRLD-AI-M</b>	<b>TDPTZ2MP4IRSTDA-M</b>
Model				
Image Sensor	1/2.7" 5MP CMOS	1/2.8" 4MP CMOS	1/1.8" 4MP CMOS / 1/2.7" 4MP CMOS	1/2.8" 2MP CMOS
Lens	2.8 ~ 12mm, Motorized	4.8 ~ 120mm, Motorized	4mm / 4.8 ~ 120mm, Motorized	2.8mm / 2.8~12mm, Motorized
FOV-H	30.6°-104.1°	52.20°~2.74°	94.9° / 55.46° ~ 3.09°	102.4° / 106.6° ~ 30.6°
Min. Illumination	Color:0.003 Lux (F1.6, AGC ON) 0Lux with IR	Color:0.003 Lux (F1.5, AGC ON) 0Lux with IR	Color: 0.0005 Lux (F1.0, AGC ON) Color: 0.003 Lux (F1.5, AGC ON) 0 Lux with warm light and IR	Color:0.002 lux (F1.6, AGC ON)
Day/Night	ICR	ICR	IR-cut filter with auto switch (ICR)	ICR / Color / B/W
WDR	120dB	120dB	120dB	120dB / DWDR
Max. IR Distance	164ft IR / 33ft Warm Light	328ft	NA / 328ft	32.8 ft / 164FT - 32.8 Warm Light
Video Compression	Ultra 265,H.265, H.264, MJPEG	Ultra 265,H.265, H.264, MJPEG	Ultra 265,H.265, H.264, MJPEG	Ultra 265, H.265, H.264, MJPEG
Max. Resolution	5MP (2880×1620)	4MP(2688×1520)	4MP(2688×1520)	2MP(1920×1080)
Frame Rate	25/30fps@5MP	30fps@4MP	30fps@4MP	25fps@2MP
Multi-streaming	3 streams	3 streams	3 streams	2 streams
Pan/Tilt/Rotation	Pan: 0°~345° / Tilt: -10°~110°	Pan: 360° (endless) / Tilt: -15° ~ 90° (auto reverse)	Pan: 360° / Tilt: -15°~90°	Pan: 0° ~ 345° / Tilt: -10° ~ 100°
Intelligent Video	Cross Line, Intrusion	Cross Line, Intrusion	Cross Line, Intrusion, false alarm filtering, enter/leave area detection	Cross line detection, Intrusion detection, Enter area detection, Leave area detection
Compatibility	ONVIF (Profile S, Profile G, Profile T), API	ONVIF (Profile S, Profile G, Profile T), API, SDK	ONVIF (Profile S, Profile G, Profile T), API, SDK	ONVIF (Profile S, Profile G), API, SDK
Audio In/Out	Built-in Mic	1/1	1/1	Built-in 2*mic
Memory Slot	Micro SD, Max. 256GB	Micro SD, Max. 256GB	Micro SD, Max. 256GB	Micro SD, Max. 256GB
Ingress Protection	IP66	IP67, IK10	IP66	IP66
Working Temperature	-20°C~+60°C(-4°F~+140°F)	-40°C~+70°C(-40°F~+158°F)	-40°C~+65°C(-40°F~+149°F)	-20°C~+60°C(-4°F~+140°F)
Power	DC12V, PoE Max. 18W	DC12V, PoE+ Max. 21W	DC12V, PoE+ Max. 24W	DC12V, PoE+(IEEE 802.3at) Max. 16W
Accessories	TR-JB07-D-IN, TR-UP06-B-IN	TR-WE45-IN, TR-UP08-B-IN	TR-WE45-IN, TR-UP08-B-IN	-

# TDSS

<b>PTZ</b>	
<b>TDPTZ2MP33IR-M-AI</b>	
Model	
Image Sensor	1/2.8" 2MP CMOS
Lens	4.5 ~ 148.5mm, Motorized
FOV-H	56.2° ~ 2.6°
Min. Illumination	Color: 0.001 Lux (F1.5, AGC ON)
Day/Night	ICR / Color / B/W
WDR	120dB
Max. IR Distance	492ft
Video Compression	Ultra 265, H.265, H.264, MJPEG
Max. Resolution	2MP(1920×1080)
Frame Rate	60fps@2MP
Multi-streaming	3 streams
Pan/Tilt/Rotation	Pan: 360° (endless) / Tilt: -15° ~ 90° (auto reverse)
Intelligent Video	Smart Tripwire, Scene Change, Motion detection Video Tampering
Compatibility	ONVIF (Profile S, Profile G, Profile T), API
Audio In/Out	1/1
Memory Slot	Micro SD, Max. 256GB
Ingress Protection	IP66
Working Temp.	-40°C ~70°C (-40°F~+158°F)
Power	AC 24V Max. 41W
Accessories	TR-WE45-IN, TR-UP08-B-IN

<b>NETWORK VIDEO RECORDERS</b>		
	<b>TDNVR4P4K-M</b>	<b>TDNVR8P8K-M</b>
Model		
Processor	-	-
Video Compression	Ultra265/H.265	Ultra265/H.265/H.264
IP Video Inputs	4 channel	8 channel
Max IP Input/Record	80Mbps/80Mbps	320Mbps/160Mbps
Max Decoding	Ultra 265/H.265: 4 x 4K@30, 6 x 5MP@30, 8 x 4MP@30, 10 x 3MP@30, 16 x 1080p@30, H.264: 2 x 4K@30, 4 x 5MP@30, 6 x 4MP@30, 8 x 3MP@30, 14 x 1080p@30	1 x 12MP@30, 2 x 4K@30, 5 x 4MP@30, 8 x 1080P@30
Display	HDMI, VGA	HDMI, VGA
Max HDD	1×8TB	2×10TB
RAID	-	-
eSATA/Mini SAS	-	-
Audio In/Out	1-ch, RCA	1/1, 2-way
Alarm In/Out	-	8/2
Ethernet	1 RJ45 10M/100M self-adaptive Ethernet Interface	1 RJ45 10M/100M/1000M self-adaptive Ethernet Interfaces
PoE	4 RJ-45 10M/100M self-adaptive Ethernet Interface	8 Ports (IEEE802.3at/af) Max 130W
USB	Front panel: 1 x USB2.0, Rear panel: 1 x USB3.0	Front panel: 1 x USB2.0, Rear panel: 1 x USB3.0
Power	48V DC/1.35A ≤ 10W (without HDD)	100~240V AC <15W (Without HDD)
Intelligent Video	Smart Intrusion Prevention (SIP), Face Detection, SMD by Camera	Smart Intrusion Prevention (SIP), Vehicle Detection by Camera
Star Features	Plug & Play	Plug & Play

	<b>NETWORK VIDEO RECORDERS</b>		
	<b>TDNVR16P16K-M</b>	<b>TDNVR32P16-M</b>	<b>TDNVR64-M</b>
Model			
Processor	-	-	Multi-core embedded processor
Video Compression	Ultra265/H.265/H.264	Ultra265/H.265/H.264	Ultra265/H.265/H.264
IP Video Inputs	16 channel	32 channel	64 channel
Max IP Input/Record	320Mbps/320Mbps	160Mbps/64Mbps	384Mbps/384Mbps
Max Decoding	1 x 12MP@30, 2 x 4K@30, 5 x 4MP@30, 8 x 1080P@30	2 x 4K@30, 4x 4MP@30, 5 x 3MP@30, 8 x 1080P@30, 16 x 720P@30, 32 x D1@30	4 x 12MP@20, 4 x 4K@30, 16 x 1080p@30, 36 x 720p@30, 64 x D1
Display	HDMI, VGA	2 HDMI, VGA	2HDMI, 1VGA
Max HDD	2x10TB	4x14TB	16x10TB
RAID	-	0/1/5/6/10	0/1/5/6/10/50/60
eSATA/Mini SAS	-	-	1/2
Audio In/Out	1/1, 2-way	1/1, 2-way	1/1, 2-way
Alarm In/Out	8/2	16/4	24/8
Ethernet	1 RJ45 10M/100M/1000M self-adaptive Ethernet Interfaces	1 RJ-45 10M/100M/1000M self-adaptive Ethernet Interface	4 RJ-45 10M/100M/1000M adaptive Ethernet Interface 2 1000M SFP Ethernet Interface
PoE	16 Ports (IEEE802.3at/af) Max 240W	16 RJ-45 10M/100M self-adaptive Ethernet Interface	-
USB	Front panel: 1 x USB2.0,Rear panel: 1 x USB3.0	1 USB3.0, 1 USB2.0	4 USB3.0
Power	100~240V AC <15W (Without HDD)	AC100V~240V <15W (Without HDD)	AC100V ~ 240V <50W(Without HDD)
Intelligent Video	Smart Intrusion Prevention (SIP), Vehicle Detection by Camera	Tripwire, Intrusion, Abandoned/Missing, Scene Change, Face Detection People Counting	Perimeter Protection, Face Recognition, Image Search, Tripwire, Intrusion, Scene Change, Abandoned/ Missing, People Counting
Star Features	Plug & Play	Plug & Play	-

LPR LPR LPR  
LPR LPR LPR  
LPR LPR LPR  
LPR LPR LPR



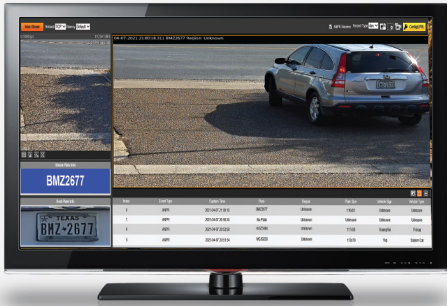
# LICENSE PLATE RECOGNITION







# License Plate Recognition



A technology that uses optical character recognition (OCR) to automatically read license plate characters.

2MP full HD WDR access LPR camera.

IR light, ideal for monitor LPR distance as 9~24' / 100'.

Embedded with LPR algorithm inside the camera.

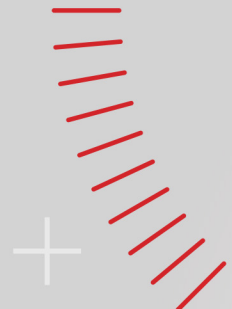
	<b>TDLPR430M-L</b>	<b>TDLPR430M</b>
Model		
Max. Detection Speed	60 KM/H	120 KM/H
Max. Lightning Distance	6 IR Illuminators Max 98.43 ft	4 LED Illuminators Max 98.43 ft
Video Compression	H.264B/H.264M/H.264H/H.265/MJPEG	H.265/H.264M/H.264H/MJPEG
Max. Resolution	4MP (2688 × 1520)	4MP (2688 × 1520)
Frame Rate	25fps@2688 × 1520	25fps@2688 × 1520
Multi-streaming	1 stream	1 stream
Pan/Tilt/Rotation	-	-
Intelligent Video	Capture Range 8 m - 30 m (26.25ft - 98.43ft) Detected Lane width 6m - 7m (19.69ft - 22.97ft)	Capture Range 8 m - 30 m (26.25ft - 98.43ft) Detected Lane width 6m - 7m (19.69ft - 22.97ft)
Compatibility	Private Protocol	Private Protocol
Audio In/Out	1/1	1/1
Memory Slot	1 built in card slot 128GB max	1 built in card slot 256GB max
Alarm In/Out	3/2	3/2
Ingress Protection	IP67	IP67
Working Temperature	-30°C~+65°C (-22°F ~ +149°F)	-40°C~+65°C (-40°F ~ +149°F)
Power	12 VDC, 24 VAC, PoE+ Max. 20W	12-36 VDC, PoE Max. 13W



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INTERCOM INTERCOM



# INTERCOM SYSTEM



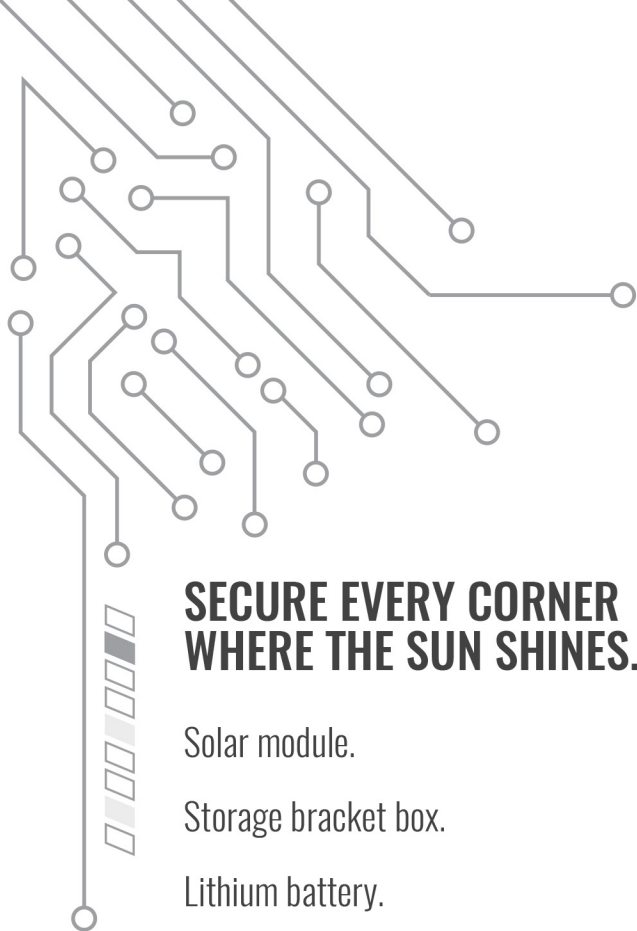

**TDIPVIC-KIT**

<i>Model</i>	<i>TDIPVIM</i>	<i>TDIPVIC</i>
Resolution	1024 × 600	2MP Wide Angle
Display/Camera	7-7-inch TFT screen	1/2.8" 2MP CMOS
Supported Devices	up to 20 VTO stations	up to 10 VTH monitors
Video Compression	H.264	H.264
Angle of View	-	H: 160°, V: 82°, D: 180°
Day/Night	-	IR Supplement
Audio Input	1 channel all-direction microphone	Built-in Omnidirectional Microphone
Audio Output	Built-in 1.5W loudspeaker	Built-in Loudspeaker
Unlock Mode	Remote unlocking	Remote unlocking
Storage	Micro SD, maximum memory capacity 32 G, standard memory capacity 8 G	Extended 64G TF Card
Installation	Wall Mount	Wall Mount
Ingress Protection	-	IP65
Housing Material	PC+ABS	Aluminium VTO
Working Temperature	-30°C to +60°C (-22°F to +140°F)	-30°C to +60°C (-22°F to +140°F)
Dimensions	(4.71"×8.72"×0.85")	(5.1"×3.78"×1.1")
Electrical	PoE (IEEE802.3af Class 0) or DC 12V	PoE (IEEE802.3af Class 0) or DC 12V

SOLAR SOLAR  
SOLAR SOLAR  
SOLAR SOLAR  
SOLAR SOLAR

# SOLAR SYSTEMS





## SECURE EVERY CORNER WHERE THE SUN SHINES.

Solar module.

Storage bracket box.

Lithium battery.

CCTV Security.



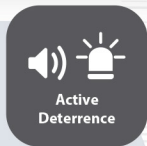
	SOLAR	
Model	TDSB35	TDSB80
System Voltage	12VDC	12VDC
Peak Power (Pmax)	60W	60W
Solar Cell Type	Monocrystalline	Monocrystalline
Solar Cell Quantity	36 (4*9)	36*2 (4*9)
Battery Storage	35 Ah	80 Ah
Battery Total Power	420W	960W
Battery Construction	Phosphate lithium	Phosphate lithium
DoD	80%	80%
Short-circuit current	1.83 (A)	1.83 (A)
Glass	Aluminum alloy frame Strong impact resistance	Aluminum alloy frame Strong impact resistance
Frame	3.2mm (Ultra-white textured tempered glass)	3.2mm (Ultra-white textured tempered glass)
Weight	10lbs	20lbs
Charging Mode	PWM mode	PWM mode
System Current	3A	3A
Protection	Automatic recovery after 5 minutes; ≥3 times rated current short circuit protection action	Automatic recovery after 5 minutes; ≥3 times rated current short circuit protection action
Dimension	26×21×1(inch)	2.1×2.7×.86(inch)
IP Grade	IP66	IP66
Working Temperature	-30°C~+55°C	-30°C~+55°C

# SELF-SUFFICIENT SURVEILLANCE MOBILE TOWER

Effective Security Anywhere | Power Source For Tools and Equipment | Cost-effective



Alerting



Active  
Deterrence



Detection



24/7 Live  
Monitoring

Buy or Lease this mobile surveillance unit.  
We can monitor the cameras 24/7 NATIONWIDE  
Call your rep to ask for details!



Reliable Technology • No Internet Necessary • 24/7 Operation • Self Renewable Energy • Speed Deployment • Weatherproof



## TDMTT - MOBILE SURVEILLANCE TRAILER

Dimension and Weight		
TDMTT	Dimensions (inch)	
	141.73x57.87x135.82	
Weight (lb)		
2425.085		
System Parameter		
Charge Time	11 hours	
System Voltage	DC24V	
Wind Rating Speed	100KPH	
Protection Level	IP65	
Solar System		
No. of Solar Panel	3	
Panel Wattage	300W	
Panel Output	900W	
Angle Adjustment	By linear actuator	
Panel Material	Monocrystal Silicon	
Solar Controller	MPPT Solar Charge Controller	
Battery		
No. of Battery	4 x 200Ah	
Capacity	800AH, DC12V	
Material	Gel Type Lead Acid	
Battery Charger	AC110V-DC24V 40A	
Mast Tower		
Type	Electric Mast	
Total Height	29.5276 ft	
Manual Winch	4500LBS DC24V	
Cable	1 x CAT6 + 3 x 2.5sqmm	
Trailer		
Trailer	Single axle, mechanical brake	
Trailer Suspension	Steel plate spring	
Tow Hitch	50mm ball hitch	
Drawbar	A frame	
Tyre	15"	
Inverter	DC24V-110V 600W	
Stabiliser Legs	4	
Forklift Pockets	Included	
Wheel chocks	Included	
Paint	Powder coat to prevent corrosion	

WIRELESS/NETWORK  
WIRELESS/NETWORK



**WIRELESS/NETWORK**







**No network configuration necessary.  
Up to 2.2 miles. Weatherproof!**



**POINT-TO-POINT  
POINT-TO-MULTIPOINT**



PoE, 5.8Ghz.  
1.2/2.2 miles.  
150/900 Mbps.  
IP65.

	<b>TDP2PX-150</b>	<b>TDP2PX-900</b>
Model		
Chipset	Atheros AR9344 600MHz	QCA9563+ QCA9882
Memory	DDR2 64MB	DDR2 128MB
Storage	8MB Flash	16MB Flash
IC	SiGe5012B	SKY85728*2
Port	10/100Mbps LAN*2	10/100/1000Mbps LAN*2
Speed	150Mbps	867Mbps
Transmission	DSSS	DSSS
Standard	IEEE802.11a/n ,IEEE802.3u	IEEE802.11a/n/ac,IEEE802.3u
Protocol	CSMA/CA,TCP/IP,IPX/SPX,NetBEUI DHCP,NDIS3,NDIS4,NDIS5	CSMA/CA,TCP/IP,IPX/SPX,NetBEUI DHCP,NDIS3,NDIS4,NDIS5
Channel	5160Mhz~5825Mhz	5180Mhz~5845Mhz
Power Dissipation	≤3W	≤7W
Power	POE 48V 0.5A	POE 48V 0.5A
Transmitting Power	23dBm	26dBm
Antenna	Vertical Direction	Horizontal/Vertical Direction
Antenna Frequency	4900~6100MHz	4900~6100MHz
Antenna Gain	12DBi	16DBi
Encryption	WEP 64/128bits,WPA,WPA2,802.1x	WEP 64/128bits,WPA,WPA2,802.1x
Working Temperature	-30~65°C	-30~65°C
Storage Temperature	-50~80°C	-50~80°C
Humidity	≤95%(non-condensed)	≤95%(non-condensed)

# NETWORK



	TDP2PX-KIT	TDP2PR-4G
Model		
Chipset	Atheros AR 9344 600MHz	QCA9531
Memory	DDR2 64MB	DDR2 128MByte
Storage	8MB Flash	16MB Flash
IC	SiGe5012B	SiGe5012B
Port	10/100Mbps LAN*1	10/100Mbps LAN*1 / 10/100Mbps WAN*1
Speed	150Mbps	300Mbps
Transmission	DSSS	DSSS
Standard	IEEE802.11a/n/u	IEEE802.11n/g/b / IEEE802.3u
Protocol	CSMA/CA,TCP/IP,IPX/SPX,NetBEUI DHCP,NDIS3,NDIS4,NDIS5	CSMA/CA,TCP/IP,IPX/SPX,NetBEUI DHCP,NDIS3,NDIS4,NDIS5
Channel	4900~6100MHz	2412~2472MHz
Power Dissipation	≤3W	≤10W
Power	DC12V/POE24V 1A	POE 24V 1A
Transmitting Power	23Dbm	27Dbm
Antenna	Vertical Direction	Vertical/Horizontal Direction
Antenna Frequency	4900~6100MHz	2412~2487MHz
Antenna Gain	10DBi	5DBi*4
Encryption	WEP 64/128bits,WPA,WPA2,802.1x	WEP 64/128bits,WPA,WPA2,802.1x
Working Temperature	-30~65°C	-40~80°C
Storage Temperature	-50~80°C	-40~80°C
Humidity	≤95%(non-condensed)	5~90%RH(non-condensed)

	POE INJECTORS	
	POE-TDP2PX	POE-TDP2PX24
Model		
Gigabit LAN port	Yes	Yes
Standard	IEC 60065, IEC60950, UL60950-1,GB4943	IEC 60065, IEC60950, UL60950-1,GB4943
Rated Input Voltage	100V~240V	100V~240V
Rated Frequency	50Hz/60Hz	50Hz/60Hz
Frequency Range	47Hz~63Hz	47Hz~63Hz
Rated Output Voltage	48@.5A	24@.1A
Power	24W	24W
Working Temperature	0°~40°C	0°~40°C
Storage Temperature	-20°~+80°C	-20°~+80°C
Humidity	10~90%(non-condensed)	10~90%(non-condensed)
Dimensions	97.0mm × 53.5mm × 35.5mm	97.0mm × 53.5mm × 35.5mm
Weight	133g	133g



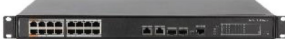



ACCESSORIES  
ACCESSORIES  
ACCESSORIES  
ACCESSORIES




**ACCESSORIES**




	<b>POEP4</b>	<b>POEP8</b>	<b>POEP16</b>	<b>POEP16-U</b>
Model				
Ethernet Port	1*100/1000 Base-X 1*10/100/1000 Base-T 4*10/100 Base-T(PoE power supply)	1*1000 Base-X 1*10/100/1000 Base-T 8*10/100 Base-T(PoE power supply)	2*10/100Mbps Uplink ports 16*10/100Mbps PoE ports Managed	2*10/100/1000 Mbps Uplink ports 16*10/100Mbps PoE ports Managed
PoE Power Consumption	Each power ≤30W Total ≤60W	Each power ≤30W Total ≤96W	Port 1-2≤90, Port 3-16≤30W Total ≤190W	Port 1-2≤60W, Port 3-16≤30W Total ≤135W
PoE Protocol	IEEE802.3af, IEEE802.3at	IEEE802.3af, IEEE802.3at	IEEE802.3af (PoE), IEEE802.3at (PoE+) Hi-PoE	IEEE802.3af (PoE), IEEE802.3at (PoE+) Hi-PoE
Switching Capacity	6.8G	7.6G	1.8Gbps	7.2Gbps
Packet Forwarding Rate	3.57Mpps	4.17Mpps	5.36Mpps	5.36Mpps
Packet Buffer Memory	1Mb	1Mb	2.75Mbit	4Mbit
MAC Table Size	8K	8K	2K	8K
Flow Control	Enable by default	Enable by default	Half-duplex based on back pressure type control; Full duplex based on PAUSE frame	-
Application Humidity	10%-90%	10%-90%	10%-90%	10%-90%
Power	DC48~57V	DC48~57V	AC 100~240V	AC 100~240V
Lightning Protection	Common Mode 4KV Differential Mode 2KV	Common Mode 4KV Differential Mode 2KV	Common Mode 2KV Differential Mode 0.5KV	Common Mode 4KV Differential Mode 2KV
Working Temperature	-30°C ~ 65°C	-30°C ~ 65°C	-10°C ~ 55°C	-10°C ~ 55°C
Weight	480g	540g	0.3kg	0.3kg
Dimension (WxDxH)	150mm x 100mm x 30mm	150mm x 100mm x 30mm	440mm x 300mm x 44mm	440mm x 300mm x 44mm

# A C C E S S O R I E S



	<b>RJ45SPCO</b>
Model	
Input	100-240V AC 50/60Hz 0.6A
Output	DC12V2A
Safety Standard	UL cUL CE
Case Type	PVC
Color Type	Black

	<b>PS12VDC2A</b>
Model	
Input	100-240V AC 50/60Hz 0.6A
Output	DC12V2A
Safety Standard	UL cUL CE
Case Type	PVC
Color Type	Black




	<b>PS12VDC4P5A</b>
Model	
Output Effective Power	60W
Input Voltage	AC100V-240V
Output	12V5A/13.8V4.34A
Output Adjustable Voltage	DC 12V-13.8V
Output Channel	4 Channels
Over Current Protection	6Amp
Work Temperature	-
Work Environment	20%-90%RH
	Adjustable Output Voltage For Long Distance Transition, World Wide Voltage Input, LED Indicator

	<b>PS12VDC5A</b>
Model	
Input	100-240V AC 50/60Hz 0.6A
Output	DC12V3A
Safety Standard	UL cUL CE
Case Type	PVC
Color Type	Black

	<b>PS12VDC3A</b>
Model	
Input	100-240V AC 50/60Hz 0.6A
Output	DC12V3A
Safety Standard	UL cUL CE
Case Type	PVC
Color Type	Black

# A C C E S S O R I E S



	<b>PS12VDC9P10A</b>	<b>PS12VDC18P10A</b>	<b>PS12VDC18P20A</b>
Model			
Input	100-240V AC 50/60Hz	100-240V AC 50/60Hz	100-240V AC 50/60Hz
Output	DC12V10A	DC12V10A	DC12V20A
Current per(Channel)	9*1.11A	18*0.55A	18*1.25A
Protect Type	PTC	PTC	PTC
Safety standard	UL cUL CE	UL cUL CE	UL cUL CE
Case Type	Metal	Metal	Metal
Color Type	White	White	White
Accessory	AC Cable	AC Cable	AC Cable
Warranty	1 year	1 year	1 year




# D O M E & E Y E B A L L







TDOECS8302A, TDOECS5302A, TDOECS2302			
			
Model	PFA13A-E	PFB204W	PFB204W+PFA152-E
Mount	Junction box	Wall mount	Pole mount



TDOEIA8302SA-AI, TDOECS540L2A, TDOEIA4302SA-AI, TDOECS240L2A			
			
Model	PFA139	PFB204W	PFB204W+PFA152-E
Mount	Junction box	Wall mount	Pole mount

TDODIA4302-AI			
			
Model	PFA136	PFB203W	PFB203W+PFA152-E
Mount	Junction box	Wall mount	Pole mount

TDOEIS830LIR2A-PD, TDOECS540L2A-PD, TDOEIS450LR2, TDOEIS430LIR2A-PD			
			
Model	PFA130-E	PFB203W	PFB203W+PFA152-E
Mount	Junction box	Wall mount	Pole mount

TDOECS860MA, TDOECS560MA, TDODHS530M, TDODIA530M, TDODIA430MS			
			
Model	PFA137	PFB203W	PFB203W+PFA152-E
Mount	Junction box	Wall mount	Pole mount









TDOBIA8302S-AI, TDOBIA4302-AI		
		
Model	PFA134	PFA152-E
Mount	Junction box	Pole mount

TDOBCS880MA, TDOBCS560MA, TDOBIS460MS-AI	
	
Model	PFA135
Mount	Junction box



TDOBIS2403-4G	
	
Model	PFB121W
Mount	Junction box

TDIDIS510FA		
		
Model	PFB203-W	PFA152-E
Mount	Junction box	Junction box

TDPTZHD2M25IRS, TDPTZHD4M30IR, TDPTZ4MP32IRTS, TDPTZ2MP32IRST					
					
Model	PFA140	PFA150	PFA151	PFB300S	PFB300C
Mount	Water-proof Power Box	Pole Mount Bracket	Corner Mount Bracket	Wall Mount Bracket	Ceiling Mount Bracket









TDODIM510F	
	
Model	TR-JB03-H-IN
Mount	Junction box




TDODIM540M-AI			
			
Model	TR-JB04-C-IN	TR-JB07-B-IN	TR-UP06-IN
Mount	Junction box	Wall mount	Pole mount




TDOEIM8502SA, TDOEIM4302SA, TDOEIM430L2A		
		
Model	TR-JB03-I-IN	TR-JB07-G-IN
Mount	Junction box	Wall mount





TDOEIM5302A-AI, TDOEIM530L2A, TDODIM4302S			
			
Model	TR-JB03-G-IN	TR-JB07-G-IN	TR-UP06-IN
Mount	Junction box	Wall mount	Pole mount

TDOEIM540MA-AI, TDODIM440MA, TDOEIM440M		
		
Model	TR-JB03-H-IN	TR-JB07-F-IN
Mount	Junction box	Wall mount

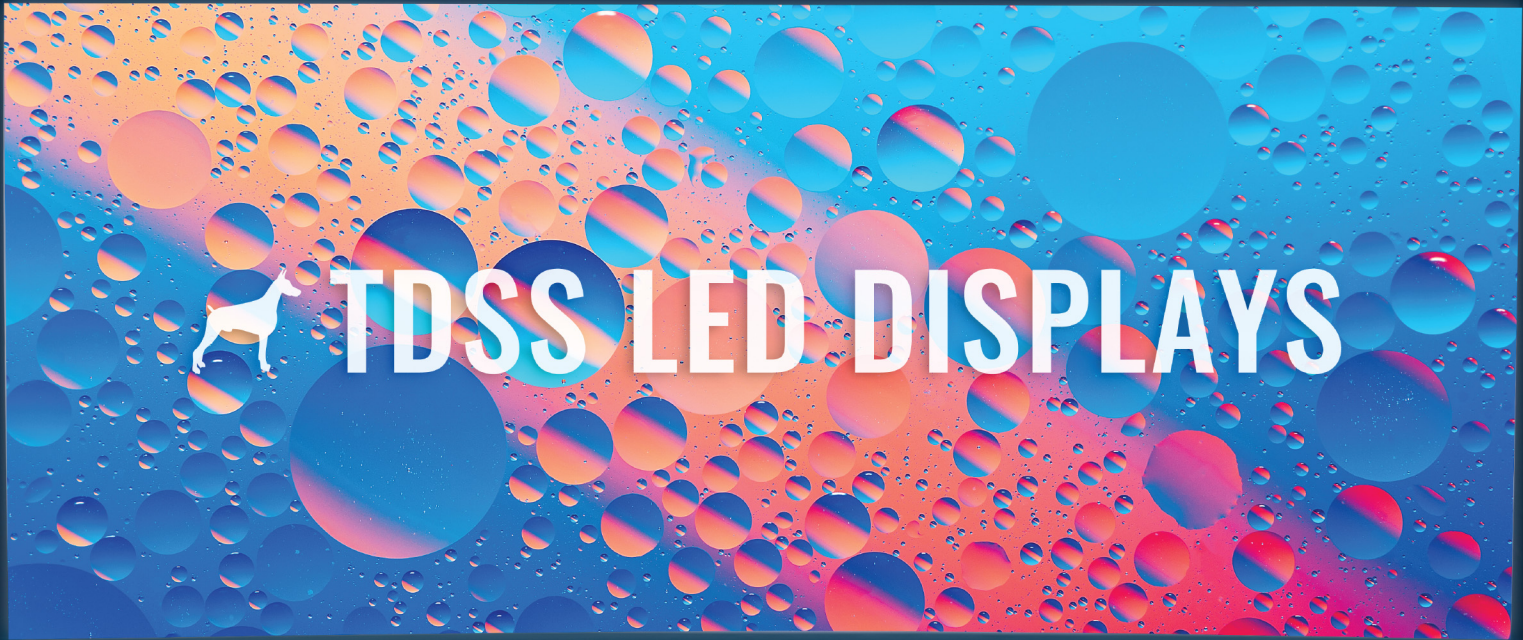
TDOBIM550M-AI		
		
Model	TR-JB07-D-IN	TR-UP06-B-IN
Mount	Junction box	Pole mount

TDOBIM5402A-AI		
		
Model	TRJB05-A-IN	TR-UP06-B-IN
Mount	Junction box	Pole mount

TDOBIM450MA, TDOBIM4502SA		
		
Model	TR-JB05-B-IN	TR-UP06-B-IN
Mount	Junction box	Pole mount

TDPTZ5MP4IRS-D-M			
			
Model	TR-JB07-D-IN	TR-UP06-B-IN	TR-A01-IN
Mount	Junction box	Pole mount	Plastic Waterproof Joint

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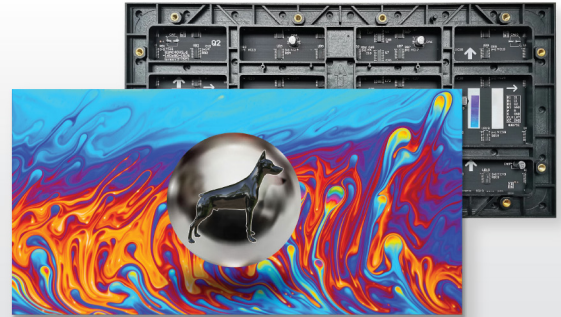


L E D   D I S P L A Y S

**P1.86**  
**INDOOR LED DISPLAY**



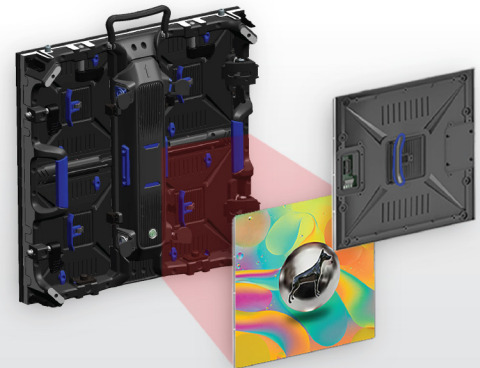
**P2.0**  
**INDOOR LED DISPLAY**



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