

Arrowhead Alarm Products Ltd.

CCTV Solutions

TVT[®] Product Catalogue



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TVT NVR KIT's



Plug & Play CCTV



HDCCTV

TVT-4CHNVRKIT

NVR



Kit Includes

- 1 x 4 Channel NVR
- 1 x 2TB Hard Drive
- 4 x 5MP 2.8mm Fixed Lens
- 4 x CAT5 Cables (20m)

The TVT-4CHNVRKIT is a cost effective CCTV option for residential & small commercial premises. View recorded, or live footage in real time from any Apple or Android device. The experience is enhanced with a user friendly and reliable smartphone App called SuperCam Plus



SuperCam Plus



TVT-4CHNVR-P



4 channel NVR with 4 POE ports, NVR includes a 2TB hard drive and is capable of taking up to 4 cameras on the one system



TVT-D2.8POE

2.8mm fixed lens, 5MP IP dome camera. Kit includes 4x TVT-D2.8POE dome cameras. Each camera comes with a 20m pre-made CAT5 cable

TVT-8CHNVRKIT



Kit Includes

- 1 x 8 Channel NVR
- 1 x 2TB Hard Drive
- 4 x 5MP 2.8mm Fixed Lens
- 4 x CAT5 Cables (20m)

The TVT-8CHNVRKIT is a cost effective CCTV option for residential & small commercial premises. View recorded, or live footage in real time from any Apple or Android device. The experience is enhanced with a user friendly and reliable smartphone App called SuperCam Plus



SuperCam Plus



TVT-8CHNVR-P



8 channel NVR recorder with 8 POE Ports. Recorder includes a 2TB hard drive and is capable of taking up to 8 cameras on the one system



TVT-D2.8POE

2.8mm fixed lens, 5MP IP dome camera. Kit includes 4x TVT-D2.8POE dome cameras. Each camera comes with a 20m pre-made CAT5 cable

TVT IP Cameras



Network Cameras





2.8 ~ 12mm Bullet 4MP Motorized Varifocal Lens

Image Sensor	1/3" CMOS
Min. Illumination	0.045 LUX @ F1.8, AGC ON B/W : 0 LUX with IR
Lens	2.8 ~ 12mm
Image Size	2592 x 1520
Lens Mount	M12 and Φ 14 optional
Wide Dynamic Range	75dB
3D DNR	✓
Video Compression	H.265 / H.264 / MJPEG
Resolution	4MP (2592 x 1520) 2K (2560 x 1440) 3MP (2304 x 1296) 3MP (2048 x 1536) 1080P, 720P, D1, CIF, 480 x 240
Main Stream	60Hz : 4MP (1-20fps) / 2K (1-20fps) / 3MP (1-30fps) / 1080P (1-30fps) / 720P (1-30fps) 50Hz : 4MP (1-20fps) / 2K (1-20fps) / 3MP (1-25fps) / 1080P (1-25fps) / 720P (1-25fps)
Audio Compression	-
ROI	✓
Network	RJ45
Interface Protocol	ONVIF
Motion Detection	✓
Remote Monitoring	IE Browsing, CMS remote control
Bit Rate	128Kbps ~ 8Kbps
PoE	✓
IR Distance	20-30m
Waterproof Standard	IP66
Power Supply	DC12V PoE
Power Consumption	< 10W
IR Consumption ON	< 6W
Operating Environment	- 20 °C ~ 50 °C, 10 % ~ 90 % relative humidity
Dimensions (mm)	Φ 87 × 219mm



2.8 ~ 12mm Dome 5MP Motorized Varifocal Lens

Image Sensor	1/2.7" CMOS
Min. Illumination	0.0236 lux @F2.0, AGC ON; 0 lux with IR
Lens	2.8 ~ 12mm
Image Size	2592 x 1944
Lens Mount	Φ 14
Wide Dynamic Range	Digital WDR
3D DNR	✓
Video Compression	H.265 / H.264
Resolution	5MP (2592 × 1944), 4MP (2560 × 1440), 1080P (1920 × 1080), 720P (1280 × 720), D1, CIF, 480 × 240
Main Stream	60Hz : 5MP(1-20fps)/ 4MP(1-30fps)/1080P(1-30fps)/ 720P(1-30fps) 50Hz : 5MP(1-20fps)/ 4MP(1-25fps)/1080P(1-25fps)/ 720P(1-25fps)
Audio Compression	G711A / U
ROI	✓
Network	RJ45
Interface Protocol	ONVIF
Motion Detection	✓
Remote Monitoring	Web browsing, CMS remote control
Audio	1CH built-in MIC
PoE	✓
IR Distance	30 ~ 50 m
Waterproof Standard	IP67
Power Supply	DC12V PoE
Intelligent Analytics	Object removal detection, intrusion detection and line crossing detection (optional)
Power Consumption	<10W
Operating Environment	- 30 °C ~ 60 °C Humidity: less than 95 % (non-condensing)
Dimensions (mm)	Φ 111.5 × 99.6mm



2.8mm Dome 5MP Fixed Lens Waterproof IP Camera

Image Sensor	1 / 2.7 " CMOS
Min. Illumination	0.0236 lux @ F2.0, AGC ON; 0 lux with IR
Lens Mount	M12
Lens	2.8 mm @ F1.85, horizontal field of view: 93.4°
Day/Night	✓
Wide Dynamic Range	Digital WDR
3D DNR	✓
Video Compression	H.265 / H.264
Resolution	5MP (2592 × 1944), 4MP (2560 × 1440), 1080P (1920 × 1080), 720P (1280 × 720), D1, CIF, 480 × 240
Main Stream	60Hz : 5MP(1 ~ 20fps)/4MP(1-30fps)/1080P(1-30fps)/720P(1-30fps) 50Hz : 5MP(1-20fps)/ 4MP(1-25fps)/1080P(1-25fps)/720P(1-25fps)
Audio Compression	G711A / U
ROI	✓
Network	RJ45
Interface Protocol	ONVIF
Motion Detection	✓
Remote Monitoring	Web browsing, CMS remote control
Storage	Network remote storage
PoE	✓
IR Distance	20 ~ 30 m
Waterproof Standard	IP67
Power Supply	DC12V PoE
Audio	1CH built-in MIC
Power Consumption	< 5W
Operating Environment	- 30 °C ~ 60 °C Humidity: less than 95 % (non condensing)
Dimensions (mm)	Φ 108 × 95.7mm



1.07mm Fisheye 6MP 360° Camera

Image Sensor	1/2.9" CMOS
Min. Illumination	0.068 lux @ F2.0, AGC ON; 0 LUX with IR
Lens Mount	1.07mm @ F2.5 Horizontal field of view 180° (wall mounting) 360° (ceiling mounting)
Lens Adjustment	Fixed
Day/Night	✓
Wide Dynamic Range	Digital WDR
Max Image Size	2160 x 2160
HLC	✓
BLC	✓
Bit Rate	128Kbps ~ 16Mbps
RS 485	✓
3D DNR	✓
Network	RJ45 x 1, 10M/100M Self Adaptive
Video Compression	H.265 / H.264 / MJPEG
Max. Image Size	2160 x 2160
Main Stream	1. Fisheye + Panorama + 3 PTZ 50Hz: 25fps @ (2160 x 2160/1920 x 1920/1440 x 1440), 25fps @ (1920 x 1080), 25fps @ (960 x 540) *3 60Hz: 30fps @ (2160 x 2160/1920 x 1920/1440 x 1440), 30fps @ (1920 x 1080), 30fps @ (960 x 540) *3 2. Fisheye + 4 PTZ 50Hz: 25fps @ (2160 x 2160/1920 x 1920/1440 x 1440), 25fps @ (960 x 540) *4 60Hz: 30fps @ (2160 x 2160/1920 x 1920/1440 x 1440), 30fps @ (960 x 540) *4
Audio Compression	G.711 A/U
ROI	✓
CVBS Output	✓
Audio	Mic Inside

Storage Card	✓
Alarm	✓
Interface Protocol	ONVIF
Motion Detection	✓
Smart Analysis	✓
PoE	✓
IR Distance	20 ~ 30m
Power Consumption	< 3W
Power Supply	DC12V PoE
Operating Environment	-20 Degrees ~ 50 Degrees, 10% ~ 90% Humidity
IR Consumption ON	< 4.5W
Dimensions (mm)	Φ 130mm x 41mm



5.5 - 110mm 2MP 20x Optical Zoom Network IR Speed Dome

Image Sensor	1/2.8"CMOS
Min. Illumination	0 LUX
Tilt Range	From -5° to 90° (auto-flip)
3D DNR	✓
Effective Pixels	2MP
Lens Mount	5.5 - 110mm
Zoom	✓
Pan Range	360° Endless Rotation
Pan Speed	Configurable, from 0.5°/s to 80°/s; Preset speed: 80°/s
Tilt Range	From -5° to 90° (auto-flip)
Tilt Speed	Configurable, from 0.5°/s to 80°/s; Preset speed: 80°/s
Preset	360
Cruise	8
Trace	4
Power Off Memory	✓
Action Mode	Preset/Cruise/Trace/Auto Scan/Random Scan
Home Position	✓
Auto Flip	✓
Power Off Memory	✓
OSD Menu	
Video Compression	H.265 / H.264 / MJPEG
Focal Length	5.5-110mm, 20x optical zoom
Network	RJ45 x 1, 10M/100M Self Adaptive
PTZ Position Display	✓
Video Bit Rate	128Kbps ~ 6Mbps
Max. Resolution	1920 x 1080



Storage Card	✓
Motion Detection	✓
IR Distance	150m
Power Supply	12V DC 2A
Power Consumption	Max. 18W
Operating Environment	-30°C-55°C(-22°F-131°F), ≤ 90% RH
Waterproof Standard	IP66, TVS6KV Lightning Protection, Surge Protection
Dimensions	Φ 173mm × 247mm (Φ6.8" × 9.7")



3.6 - 10mm Bullet 5MP IP Starlight Camera

Image Sensor	1/1.8" CMOS
Min. Illumination	0.01 lux @ F1.2, AGC ON IR On: 0 LUX with IR
Lens	3.6 - 10mm @ F1.4, angle of view: 83.7° - 36.7°
Lens Mount	Φ 14
Day/Night	✓
Wide Dynamic Range	Digital WDR
Angle Adjustment	Any angle
Digital NR	2D / 3D DNR
Electronic Shutter	1/25s - 1/1000000s
Image Size	2592 x 1944
Remote Monitoring	IE browsing, CMS remote control
3D DNR	✓
Video Compression	H.265 / H.264 / MJPEG
Audio Compression	G.711A/U
Resolution	5MP (2592 x 1944), 2K (2560 x 1440) 1080P, 720P, D1, CIF, 480 x 240
Main Stream	60Hz : 5MP (1-30fps) / 2K (1-30fps) / 1080P (1-30fps) / 720P (1-30fps) 50Hz : 5MP 5MP (1-25fps) / 2K (1-25fps) / 1080P (1-25fps) / 720P (1-25fps)
ROI	✓
Network	RJ45 x 1, 10M/100M Self Adaptive
CVBS Output	✓
Audio	MIC IN x 1, MIC OUT x 1
Storage Card	✓
RS485	✓
Alarm	1 Channel Input 1 Channel Output
Interface Protocol	ONVIF
Motion Detection	✓

TVT-B3610SPOE



PoE	✓
IR Distance	30 - 50m
Waterproof Standard	IP66
Power Supply	DC12V / PoE
Power Consumption	< 3W
IR Consumption ON	< 7.5W
Operating Environment	-20 ~ 50 Degrees, 10% ~ 90% Humidity
Dimensions (mm)	Φ 109mm x 284mm



3.6 - 10mm Dome 5MP IP Starlight Camera

Image Sensor	1/1.8" CMOS
Min. Illumination	0.01 lux @ F1.2, AGC ON IR On: 0 LUX with IR
Lens	3.6 - 10mm @ F1.4, angle of view : 83.7° - 36.7°
Lens Mount	Φ 14
Day/Night	✓
Wide Dynamic Range	Digital WDR
Digital NR	2D / 3D DNR
Angle Adjustment	Pan : 0° - 360° / Tilt : 0° - 77° / Rotation 0° - 360°
Bit Rate	64Kbps - 10Mbps
Encode Mode	VBR / CBR
Defect Correction	✓
3D DNR	✓
Video Compression	H.265 / H.264 / MJPEG
Audio Compression	G.711A/U
Resolution	5MP (2592 x 1944), 2K (2560 x 1440) 1080P, 720P, D1, CIF, 480 x 240
Main Stream	5MP / 2K / 1080P / 720P @ 1-30fps 720P (1-5fps) / D1 (1-10fps) / CIF (1-30fps) D1 / CIF / 480x240 @ 1-30fps
ROI	✓
Network	RJ45 x 1, 10M/100M Self Adaptive
CVBS Output	✓
Audio	MIC IN x 1, MIC OUT x 1
Storage Card	✓
RS485	✓
Alarm	1 Channel Input 1 Channel Output
Interface Protocol	ONVIF
Motion Detection	✓
Aisle Mode	✓



Smart Analysis	✓
PoE	✓
IR Distance	20 - 30m
Waterproof Standard	IP66
Power Supply	DC12V / PoE
Power Consumption	< 3W
IR Consumption ON	< 5.5W
Operating Environment	-20 ~ 50 Degrees, 10% ~ 90% Humidity
Dimensions (mm)	Φ 150mm x L114mm



3.3 - 12mm Bullet 8MP IP Camera with Motorised Lens

Image Sensor	1/2.5" CMOS
Min. Illumination	0.01 LUX @ F1.2, AGC ON, IR On : 0 LUX with IR
Lens	3.3 - 12mm @ F1.4, horizontal field of view: 97.5° - 38.5°
Lens Mount	Φ 14
Day/Night	✓
Wide Dynamic Range	Digital WDR
BLC	✓
HLC	✓
Defect Correction	✓
3D DNR	✓
Video Compression	H.265 / H.264 / MJPEG
Audio Compression	G.711A/U
Resolution	8MP (3840 x 2160) / 2K (2560 x 1440) 3MP (2304 x 1296), 1080P (1920 x 1080) 720P (1280 x 720), D1, CIF, 480 x 240
Main Stream	60Hz: 8MP (1-30fps) / 2K (1-30fps) / 3MP (1-30fps) / 1920 x 1080 (1-30fps) / 720P (1-30fps) 50Hz: 8MP (1-25fps) / 2K (1-25fps) / 3MP (1-25fps) / 1920 x 1080 (1-25fps) / 720P (1-25fps)
ROI	✓
Network	RJ45 x 1, 10M/100M Self Adaptive
CVBS Output	✓
Audio	MIC IN x 1, MIC OUT x 1
Storage Card	✓
RS485	✓
Alarm	1 Channel Input 1 Channel Output



Interface Protocol	ONVIF
Smart Analysis	✓
PoE	✓
IR Distance	30 - 50m
Waterproof Standard	IP66
Power Supply	DC12V / PoE
Power Consumption	< 2.5W
IR Consumption ON	< 9W
Operating Environment	-20 ~ 50 Degrees, 10% - 90% Humidity
Dimensions (mm)	Φ 109mm x L284mm



3.3 - 12mm Dome 8MP IP Camera with Motorised Lens

Image Sensor	1/2.5" CMOS
Min. Illumination	0.01 LUX @ F1.2, AGC ON, IR On : 0 LUX with IR
Lens	3.3 - 12mm @ F1.4, horizontal field of view : 97.5° - 38.5°
Lens Mount	Φ 14
Day/Night	✓
Wide Dynamic Range	Digital WDR
BLC	✓
HLC	✓
Image Size	3840 x 2160
3D DNR	✓
Video Compression	H.265 / H.264 / MJPEG
Audio Compression	G.711A/U
Resolution	8MP (3840 x 2160), 2K (2560 x 1440) 3MP (2304 x 1296), 1080P (1920 x 1080) 720P (1280 x 720), D1, CIF, 480 x 240
Main Stream	60Mz : 8MP (1-30fps) / 2K (1-30fps) / 3MP (1-30fps) / 1920 x 1080 (1-30fps) / 720P (1-30fps) 50Mz : 8MP (1-25fps) / 2K (1-25fps) / 3MP (1-25fps) / 1920 x 1080 (1-25fps) / 720P (1-25fps)
ROI	✓
Network	RJ45 x 1, 10M/100M Self Adaptive
CVBS Output	✓
Audio	MIC IN x 1, MIC OUT x 1
Storage Card	✓
RS485	✓
Alarm	1 Channel Input 1 Channel Output



Interface Protocol	ONVIF
Motion Detection	✓
PoE	✓
Smart Analysis	✓
Waterproof Standard	IP66
IR Distance	20 - 30m
Power Consumption	< 7W
Power Supply	DC12V / PoE
Operating Environment	-20 ~ 50 Degrees, 10% ~ 90% relative humidity
Dimensions (mm)	Φ 150mm x L114mm



9 - 22mm 5MP Waterproof IP Bullet Camera, Motorized Lens with POE

Image Sensor	1/3" CMOS
Min. Illumination	0.018 lux @ F1.2, AGC ON, IR On : 0 LUX with IR
Lens	9 - 22mm @ F1.4, horizontal field of view: 29.5° - 16.2°
Lens mount	Φ 14
Day/Night	✓
Wide Dynamic Range	120dB
Resolution	4MP (2592 x 1944), 2K (2560 x 1440), 3MP (2304 x 1296), 1080P, (1920 x 1080), 720P (1280 x 720), D1, CIF, 480 x 240
Main Stream	60Mz : 8MP (1-30fps) / 2K (1-30fps) / 3MP (1-30fps) / 1920 x 1080 (1-30fps) / 720P (1-30fps) 50Mz : 8MP (1-25fps) / 2K (1-25fps) / 3MP (1-25fps) / 1920 x 1080 (1-25fps) / 720P (1-25fps)
ROI	✓
Network	RJ45 x 1, 10M/100M Self Adaptive
CVBS Output	✓
Audio	MIC IN x 1, MIC OUT x 1
Storage Card	✓
RS485	✓
Alarm	1 Channel Input 1 Channel Output
Interface Protocol	ONVIF
Motion Detection	✓
Remote Monitoring	Web browsing
Smart Analysis	✓
PoE	✓
IR Distance	70 - 100m
Waterproof Standard	IP66
Power Supply	DC12V / PoE
Power Consumption	< 16W
IR Consumption ON	< 8W
Operating Environment	-20° ~ 60°, 10% ~ 95% Humidity
Dimensions (mm)	Φ109mm x L360mm

TVT-P4.3



4MP 4.3mm HD Pinhole Camera (Non-POE)

Image Sensor	1 / 3 "CMOS
Image Size	1920 x 1080
Electronic Shutter	1 / 25 s ~ 1 / 100000 s
Iris	Fixed Iris
Min. Illumination	Color: 0.1 Lux@F1.2; B / W: 0.01 Lux@F1.2
Lens	4.3 mm HD pinhole lens
Day & Night	✓
Wide Dynamic Range	✓
Digital NR	3D DNR
BLC	✓
HLC	✓
ROI	3 ROI
Resolution	1080P (1920×1080), 720P (1280×720), D1
Bit Rate	32 Kbps ~ 16 Mbps
Network	RJ45
Audio	One built-in microphone
Storage	Up to 128GB
Remote Monitoring	IE browsing,CMS remote control
Power Supply	DC12V
Power Consumption	≤2W
Operating Environment	- 20 °C ~ 50 °C,10 % ~ 90 % humidity
Dimensions	30mm x 30mm x 29.5mm
Installation	Hung by the wall or installed with its support



8MP Starlight 180° Panoramic Bullet Network Camera

Image Sensor	Four 1/2.8" Progressive Scan CMOS
Max. Resolution	4096 x 1800
Electronic Shutter	1s - 1/10000s : auto/manual
Day/Night	IR-Cut
S/N Ratio	>50dB
NR	2D/3D DNR
Gain Control	Manual/Auto
White Balance	Manual/Auto/Indoor/Outdoor
HLC	✓
Lens	3.3mm
Field of View	Pan: ≥180°; Tilt: 80°
Min. Illumination	Colour: 0.03Lux / B&W: 0.001Lux / 0 Lux with IR
Resolution	4096 × 1800, 3480 × 1680), 2880 × 1264, 1024 × 452, 704 × 320
IR Distance	20m
IR LEDs	Eight
Smart IR	✓
Storage	Built-in micro SD card slot, up to 128GB
Audio	1CH audio input; 1CH audio output
Network	1 RJ 45 10M/100M Ethernet port, PoE (802.3af)
RS485	1 CH; Pelco-D/P protocol, custom protocols available
Alarm	1 Channel Input 1 Channel Output
Power	DC12V/PoE(802.3af)
Working Environment	Temperature: -30 C~60 C Humidity: <95% (non-condensing)
Protection Grade	IP 67, lightning protection, surge protection

TVT IP NVR's



Compact & Effective





4 Channel 4K NVR, 4 POE Port with 1TB Hard Drive

Video	Network Input	4 CH IPC input
	Input Resolution	8MP/6MP/5MP/4MP/3MP/1080P/1280×1024/960P/720P/960H/DI/CIF
	Output	HDMI × 1 : 3840 × 2160 / 1920 × 1080 / 1280 × 1024 / 1024 × 768 VGA: 1920 × 1080 / 1280 × 1024 / 1024 × 768
	Compression	Standard H.265 / H.264
Audio	Network Input	4 CH IPC audio input
	2-way Audio	RCA × 1
	Local Output	RCA × 1
	Compression	G.711(U/A)
Record	Record Stream	Dual stream recording
	Resolution	8MP/6MP/5MP/4MP/3MP/1080P/1280×1024/960P/720P/960H/DI/CIF
	Frame Rate	NTSC:30fps; PAL:25fps
Playback	Simultaneous Playback	Max. 4 CH
	Search	Time slice / time / event / tag search
	Function	Play, pause, FF, FB, digital zoom, etc.
Network	Interface	USB2.0 × 2
	Protocol	TCP / IP, PPPoE, DHCP, DNS, DDNS, UPnP, NTP, SMTP, HTTP, HTTPS, 802.1x
	In/Out Bandwidth	40/40 (Mbps)
Storage	HDD Interface	SATA3.0 × 1, max 8T
Port	USB	USB 2.0 × 2
PoE	PoE Ports	100M RJ45 × 4
Other	Power Supply	DC48V 1.25A
	Consumption	≤ 10W (without HDD)
	Working Environment	-10~50 Degrees, 10%~90% Humidity
	Dimensions (mm)	300 × 249 × 45(W × D × H)



8 Channel 4K NVR, 8 POE Port with 2TB Hard Drive

Video	Network Input	8 CH IPC input
	Input Resolution	8MP/6MP/5MP/4MP/3MP/1080P/1280×1024/960P/720P/960H/DI/CIF
	Output	HDMI × 1 : 3840 × 2160 / 1920 × 1080 / 1280 × 1024 / 1024 × 768 VGA: 1920 × 1080 / 1280 × 1024 / 1024 × 768
	Compression	Standard H.265 / H.264
Audio	Network Input	8 CH IPC audio input
	2-way Audio	RCA × 1
	Local Output	RCA × 1
	Compression	G.711(U/A)
Record	Record Stream	Dual stream recording
	Resolution	8MP/6MP/5MP/4MP/3MP/1080P/1280 × 1024/960P/720P/960H/DI/CIF
	Frame Rate	NTSC:30fps; PAL:25fps
Playback	Simultaneous Playback	Max. 8 CH
	Search	Time slice / time / event / tag search
	Function	Play, pause, FF, FB, digital zoom, etc.
Network	Interface	USB2.0 × 2
	Protocol	TCP / IP, PPPoE, DHCP, DNS, DDNS, UPnP, NTP, SMTP, HTTP, HTTPS, 802.1x
	In/Out Bandwidth	80/80 (Mbps)
Storage	HDD Interface	SATA3.0 × 1, max 8T
Port	USB	USB 2.0 × 2
PoE	PoE Ports	100M RJ45 × 8
Other	Power Supply	DC48V 1.25A
	Consumption	≤ 10W (without HDD)
	Working Environment	-10-50 Degrees, 10%-90% Humidity
	Dimensions (mm)	300 × 249 × 45(W × D × H)



16 Channel 4K NVR, 16 POE Port with 4TB Hard Drive

Video	Network Input	16 CH IPC input
	Input Resolution	8MP/ 6MP/5MP/4MP/3MP/1080P/ 1280×1024/960P/720P/960H/DI/CIF
	Output	HDMI × 1 : 3840×2160@60fps/3840×2160@30fps/1920×1080/ 1280 1024 1024 × 768 VGA × 1 : 1920 1080 / 1280 × 1024 / 1024 × 768
	Compression	Standard H.265 / H.264
Audio	Network Input	16 CH IPC audio input
	2-way Audio	RCA × 1
	Local Output	RCA × 1
	Compression	G.711(U/A)
Record	Record Stream	Dual stream recording
	Resolution	8MP/6MP/5MP/4MP/3MP/1080P/1280 ×1024/960P/720P/960H/DI/CIF
	Frame Rate	NTSC:30fps; PAL:25fps
Playback	Simultaneous Playback	Max. 16 CH
	Search	Time slice / time / event / tag search
	Function	Play, pause, FF, FB, digital zoom, etc.
Network	Interface	RJ 45 1000 Mbps × 1
	PoE Port	RJ 45 × 16 (IEEE802.3af; output power: ≤ 150W)
Backup	Local Backup	U disk, USB mobile HDD
Storage	HDD Interface	SATA × 4, max 8T per HDD
Port	USB	USB 2.0 × 2
Other	Power Supply	ATX 300W
	Consumption	≤ 15W (without HDD)
	Working Environment	-10-50 Degrees, 10%-90% Humidity
	Dimensions (mm)	440 × 390 × 70 (W × D × H)



32 Channel 4K NVR, 16 POE Port with 6TB Hard Drive

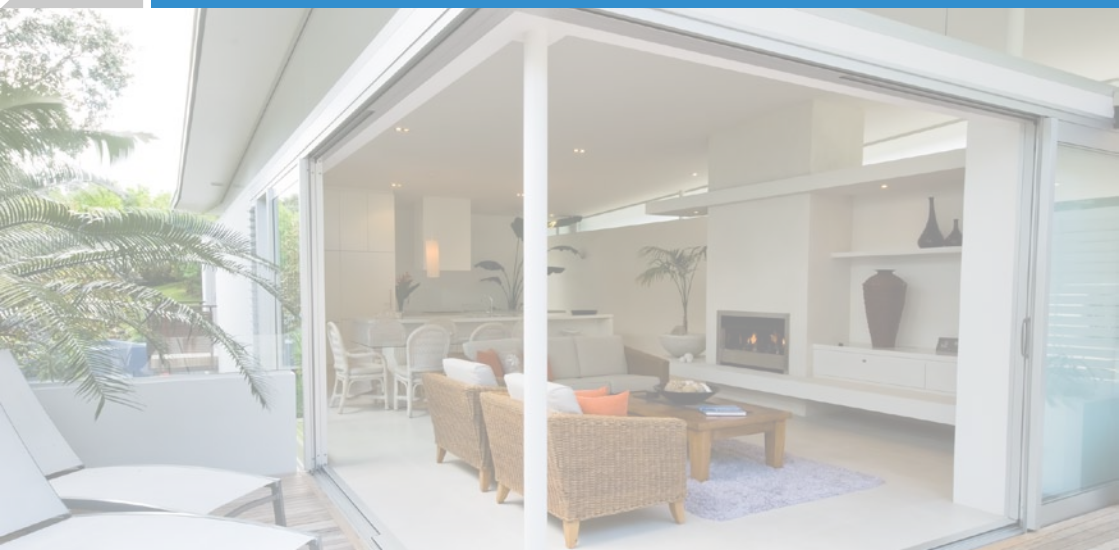
Video	Network Input	32 CH IPC input
	Input Resolution	8MP / 6MP / 5MP / 4MP / 3MP / 1080P 1280 x 1024 / 960P / 720P / 960H / DI / CIF
	Output	HDMI x 1 : 3840x2160@60fps/3840x2160@30fps/1920x1080/ 1280 1024 1024 768 VGA x 1 : 1920 1080 / 1280 x 1024 / 1024 x 768
	Compression	Standard H.265 / H.264
Audio	Network Input	32 CH IPC audio input
	2-way Audio	RCA x 1
	Local Output	RCA x 1
	Compression	G.711(U/A)
Record	Record Stream	Dual stream recording
	Resolution	8MP/6MP/5MP/4MP/3MP/1080P/1280 x 1024/960P/720P/960H/DI/CIF
	Frame Rate	NTSC:30fps; PAL:25fps
Playback	Simultaneous Playback	Max. 16 CH
	Search	Time slice / time / event / tag search
	Function	Play, pause, FF, FB, digital zoom, etc.
Network	Interface	RJ 45 1000 Mbps x 1
	PoE Port	RJ 45 x 16 (IEEE802.3af; output power: ≤ 150W)
Backup	Local Backup	U disk, USB mobile HDD
Storage	HDD Interface	SATA x 4, max 8T per HDD
Port	USB	USB 2.0 x 2
Other	Power Supply	ATX 292W
	Consumption	≤ 15W (without HDD & PoE power supply)
	Working Environment	-10-50 Degrees, 10%-90% Humidity
	Dimensions (mm)	440 x 390 x 70 (W x D x H)



64 Channel NVR with 2x 6TB Hard Drives

Video	IP Video Input	64CH IPC input
	Resolution	8MP/6MP/5MP/4MP/3MP/1080P/1280 1024/960P/ 720P/ 960H/DI/CIF
	Output	HDMI 1: 3840 × 2160@60fps / 3840 × 2160@30fps/1920 × 1080 / 1280 × 1024 / 1024 × 768 HDMI2 : 1920 × 1080 / 1280 × 1024 / 1024 × 768 VGA ×1 : 1920 × 1080 / 1280 × 1024 / 1024 × 768
Audio	Network Input	64CH IPC audio input
	2-way Audio	RCA × 1
	Local Output	RCA × 1
	Compression	G.711A/G.711U
Record	Record Stream	Dual stream recording
	Resolution	8MP/6MP/5MP/4MP/3MP/1080P/1280 ×1024/960P/720P/960H/DI/CIF
	Frame Rate	
Playback	Simultaneous Playback	Max. 16 CH
	Search	Time slice / time / event / tag search
	Function	Play, pause, FF, FB, digital zoom, etc.
Network	Interface	RJ 45 1000 Mbps × 2
	Protocol	TCP / IP, PPPoE, DHCP, DNS, DDNS, UPnP, NTP, SMTP, HTTP, HTTPS, 802.1x
Backup	Local Backup	U disk, USB mobile HDD
Storage	HDD Interface	SATA ×16, max 8T; E-SATA× 1
Port	USB	USB 3.0 × 1 ; USB 2.0 × 2
Other	Power Supply	ATX 250W
	Consumption	≤ 15W (without HDD)
	Working Environment	-10-50 Degrees, 10%-90% Humidity
	Dimensions (mm)	437 × 483 × 143 (W × D × H)

TVT TVI KIT



Hybrid DVR KIT



TVT-4CHDVRKIT

HYBRID



Kit Includes

- 1 x 4 Channel TVR Recorder
- 1 x 1TB Hard Drive
- 4 x 1080P 2.8mm Fixed Lens Domes (IP66)
- 4 x Pre-made Coax Cables
- 1 x DC SPLITTER Cable

The TVT-4CHDVRKIT is a cost effective CCTV option for residential & small commercial premises. View recorded, or live footage in real time from any Apple or Android device. The experience is enhanced with a user friendly and reliable Smart-phone App called SuperCam Plus



SuperCam Plus



TVT-4CHTVR



4 channel hybrid recorder with TVI, AHD & CVI video inputs. Recorder includes a 1TB hard-drive and is capable of taking up to 4 cameras on the one system



TVT-D2.8TVI

2.8mm fixed lens, 1080P dome cameras. Kit includes 4x TVT-D2.8TVI dome cameras. Each camera comes with a 20m coax pre-made cable & 1x DC SPLITTER

TVT Hybrid Cameras



AHD/TVI/CVI/CVBS





2.8mm Fixed Lens Waterproof Dome TVI Camera

Resolution	2MP 1080P (1920 x 1080)
Video Output	AHD/TVI/CVI/CVBS
Image Sensor	1 / 2.9" CMOS
Min. Illumination	0 Lux (IR ON)
Lens	2.8 mm
Lens Adjustment	Fixed Lens
Day/Night	✓
Wide Dynamic Range	Digital WDR
Defog	/
BLC	✓
Digital NR	✓
Image Setting	✓
AGC	✓
S/N Ratio	≥ 52dB (AGC Off)
Frame Rate	30fps (60Hz), 25fps (50Hz)
White Balance	✓
Function Control	OSD
IR Distance	10 ~ 20 m
Waterproof Standard	IP66
Power Supply	DC 12V
Power Consumption	Day : < 1W; Night : < 3W
Angle Adjustment	Any angle
Operating Environment	- 20 °C ~ 50 °C, 10 % ~ 90 % Humidity
Dimensions	Φ 108mm x 91.4mm



2.8-12mm 1080P Varifocal Waterproof Dome TVI Camera

Resolution	2MP 1080P (1920 x 1080)
Video Output	AHD/TVI/CVI/CVBS
Image Sensor	1 / 2.9" CMOS (Sony)
Min. Illumination	0 Lux (IR ON)
Lens	2.8-12mm
Lens Mount	D14
Day/Night	✓
Wide Dynamic Range	Digital WDR
Defog	/
BLC	✓
Digital NR	✓
Defect Correction	Auto
AGC	✓
S/N Ratio	≥ 52dB (AGC Off)
Frame Rate	30fps(60Hz); 25fps (50Hz)
White Balance	✓
Function Control	OSD
IR Distance	20-30m
Waterproof Standard	IP66
Power Supply	DC 12V
Power Consumption	IR OFF : < 1W; IR ON : < 4W
Angle Adjustment	Pan: 0°~360°; Tilt: 0°~90°; Rotation: 0°~360°
Operating Environment	- 20 °C ~ 50 °C, 10 % ~ 90 % Humidity
Dimensions	Φ130.3mm x 110mm



2.8-12mm 1080P Varifocal Waterproof Bullet TVI Camera

Resolution	2MP 1080P (1920 x 1080)
Video Output	AHD/TVI/CVI/CVBS
Image Sensor	1 / 2.9 "CMOS (Sony)
Min. Illumination	0 Lux (IR ON)
Lens	2.8-12mm
Image System	PAL / NTSC
Day/Night	✓
Wide Dynamic Range	Digital WDR
Defog	/
BLC	✓
Digital NR	✓
Defect Correction	Auto
AGC	✓
S/N Ratio	≥ 52dB (AGC Off)
Frame Rate	30fps(60Hz); 25fps (50Hz)
White Balance	✓
Function Control	OSD
IR Distance	30 ~ 50 m
Waterproof Standard	IP66
Power Supply	DC 12V
Power Consumption	IR OFF : < 1W; IR ON : < 5W
Angle Adjustment	Pan: 0°~360°; Tilt: 0°~90°; Rotation: 0°~360°
Operating Environment	- 30 °C ~ 50 °C, 10 % ~ 90 % Humidity
Dimensions	Φ 108.9mm x 283.9mm



5.0MP 3.6mm HD Analogue IR Dome Camera

Image Sensor	1 / 2.5 "CMOS
Resolution	5MP
Image Size	2560 x 1936
Video Output	AHD / TVI / CVI
Image System	PAL / NTSC
Electronic Shutter	Auto
IR Distance	10 ~20 m
Frame Rate	20fps
Min. Illumination	0 lux (IR ON)
Lens	3.6 mm
Water-proof	IP 66
Digital NR	✓
Digital WDR	✓
Global Exposure	✓
Auto White Balance	✓
Contrast	✓
Sharpness	✓
Image Setting	✓
Defect Correction	Auto
Angle Adjustment	Pan: 0°~360°; Tilt: 0°~90°; Rotation: 0°~360°
Power Supply	DC12V (± 15%)
Power Consumption	IR OFF : < 1W; IR ON : < 2.5W
Operating Environment	- 30 °C ~ 50 °C, 10 % ~ 90 % (relative humidity)
Dimensions	Φ 108 x 90.4mm



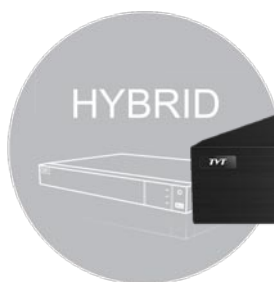
5.0MP 2.8 - 12mm HD Analogue IR Dome Camera

Image Sensor	1 / 2.7 "CMOS
Resolution	5MP
Image Size	2592 x 1944
Video Output	AHD / TVI / CVI / CVBS
Image System	PAL / NTSC
Electronic Shutter	Auto: 1 / 50s ~ 1 / 100000s (PAL); 1 / 60s ~ 1 / 100000s (NTSC)
IR Distance	20 ~ 30 m
Frame Rate	5MP @ 20fps
Min. Illumination	Color : 0.01 lux@F1.2, AGC ON; B/W : 0 lux with IR
Lens	2.8-12mm
Water-proof	IP 66
Digital NR	✓
Digital WDR	✓
Global Exposure	✓
Auto White Balance	✓
Contrast	✓
Sharpness	✓
Image Setting	✓
Defect Correction	Auto / Manual
Angle Adjustment	Pan: 0°~360°; Tilt: 0°~90°; Rotation: 0°~360°
Power Supply	DC12V (± 10%)
Power Consumption	IR OFF : < 1W; IR ON : < 3W
Operating Environment	- 30 °C ~ 50 °C, 10 % ~ 90 % (relative humidity)
Dimensions	Φ 130.3 x 109mm

TVT Hybrid Recorders



Compact & Effective





4 Channel 1080P TVR with 1TB Hard Drive

Video	Video Input	4 Channel, TVI/AHD/CVI Analogue Camera
	IP Video Input	2CH (up to 6CH) Up to 5MP@25fps/4MP@30fps
	Total Input	6CH
	Compression	H.264/H.265
Audio	Input	RCA × 4
	Output	RCA × 1 (linear, 600Ω)
	Two-way audio	Compression
Record	Resolution	5MP Lite/4MP Lite / 1080P/1080P Lite/720P/WDI/DI
	Mode	Manual, timer, motion, smart event
	Recording Frame Rate	Analog Channel: 5MP Lite@10fps (PAL / NTSC) 4MP Lite/1080P@12fps(PAL) / 15fps (NTSC) 1080P Lite/720P/WDI/DI@25fps (PAL) / 30fps (NTSC) IP Channel: 25fps (PAL) / 30fps (NTSC)
Playback	Playback	4CH
	Search	Time slice / time / event / tag search
Alarm	Mode	Manual, motion, exception, smart event
	Input	4CH
	Output	1CH
Storage	HDD	SATA×1, up to 8TB
Network	Interface	RJ 45 100Mbps × 1
	In./Out. Bandwidth	16Mbps (Max. 36Mbps) / 40Mbps
Backup	Local Backup	U disk, USB mobile HDD
Others	Power Supply	DC12V/2A
	Consumption	≤ 10W (without HDD)
	Dimensions(mm)	300 × 249 × 45mm (W × D × H)
	Working Environment	- 10 °C ~ 50 °C, 10 % ~ 90 % Humidity



8 Channel 1080P TVR with 2TB Hard Drive

Video	Video Input	8 Channel, TVI/AHD/CVI Analogue Camera
	IP Video Input	4CH (up to 12CH) Up to 5MP@30fps
	Total Input	12CH
	Compression	H.264/H.265
Audio	Input	RCA × 8
	Output	RCA × 1 (linear, 600Ω)
	Two-way audio	Compression
Record	Resolution	5MP Lite/4MP Lite / 1080P/1080P Lite/720P/WDI/DI
	Mode	Manual, timer, motion, smart event
	Recording Frame Rate	Analog Channel: 5MP Lite@10fps (PAL / NTSC) 4MP Lite/1080P@12fps(PAL) / 15fps (NTSC) 1080P Lite/720P/WDI/DI@25fps (PAL) / 30fps (NTSC) IP Channel: 25fps (PAL) / 30fps (NTSC)
Playback	Playback	8CH
	Search	Time slice / time / event / tag search
Alarm	Mode	Manual, motion, exception, smart event
	Input	8CH
	Output	2CH
Storage	HDD	SATA×1, up to 8TB; E-SATA×1
Network	Interface	RJ 45 100Mbps × 1
	In./Out. Bandwidth	In. 32Mbps (Max. 60Mbps) / Out. 60Mbps
Backup	Local Backup	U disk, USB mobile HDD
Others	Power Supply	DC12V/2A
	Consumption	≤ 10W (without HDD)
	Dimensions(mm)	300 × 249 × 45mm (W × D × H)
	Working Environment	- 10 °C ~ 50 °C, 10 % ~ 90 % Humidity



16 Channel 1080P TVR with 4TB Hard Drive

Video	Video Input	BNC × 16
	Resolution	TVI / CVI / AHD 1080P, 720P, WD1 real time
	IP Input/Bandwidth	IPC × 4 / 24Mbps
	Output	HDMI × 1 : 1920 × 1080, 1280 × 1024, 1024 × 768 VGA × 1 : 1920 × 1080, 1280 × 1024, 1024 × 768
Audio	Input	RCA × 1
	Output	RCA × 1
	Two-way audio	Take up channel one audio input
Record	Resolution	1080P, 1080P lite, 720P, WD1
	Mode	Manual, timer, motion, sensor
	Recording Frame Rate	1080P : 12 fps (PAL) / 15 fps (NTSC) 1080P Lite / 720P / WD1 : 25 fps (PAL) / 30 fps (NTSC)
	Bit Rate	768Kbps ~ 8Mbps
IP Input	Resolution	3MP / 1080P / 960P / 720P
	Frame Rate	25fps (PAL) / 30fps (NTSC)
Playback	Playback	16CH
	Search	Time slice / time / event / tag search
Alarm	Mode	Manual, sensor, motion, exception
	Input/Output	No
	Triggering	Record, snap, preset, e-mail, etc.
Storage	HDD	SATA × 1, max 6T
Network	Interface	RJ45 10M / 100Mbps × 1
	Protocol	TCP / IP, PPPoE, DHCP, DNS, DDNS, UPnP, NTP, SMTP
Backup	Local Backup	U disk, USB mobile HDD
Others	Power Supply	DC12V
	Consumption	≤8W (without HDD)
	Dimensions(mm)	300 × 270 × 55 (W × D × H)
	Working Environment	- 10 °C ~ 50 °C, 10 % ~ 90 % Humidity

TVT-16CHTVR-4K

HYBRID



16 Channel 4K TVR with 4TB Hard Drive

Video	Analogue Video Input	BNC × 16 BNC interface (1.0Vp-p; 75Ω) TVI/AHD/CVI : 4K@15fps, 5MP@20fps, 4MP/3MP/1080P/720P/WDI@30fps (live)
	IP Video Input	8CH (up to16CH) Up to 8MP@30fps
	Total Input	24CH
	Output	HDMI × 1 : 3840 × 2160 / 1920 × 1080 / 1280 × 1024 / 1024 × 768 VGA × 1 : 1920 × 1080 / 1280 × 1024 / 1024 × 768 BNC × 1 : CVBS (used as the main or spot output)
	Compression	H.264/H.265
Record	Resolution	4K/4K Lite/5MP/5MP Lite/4MP/4MP Lite / 3MP/1080P/720P/WDI/DI
	Mode	Manual, timer, motion, smart event
	Frame Rate	Analog Channel: 4K@6/7fps (PAL/NTSC) 4K Lite@12fps/15fps (PAL/NTSC) 5MP@12fps (PAL / NTSC) 5MP Lite@20fps (PAL / NTSC) 4MP/3MP@12fps(PAL) / 15fps (NTSC) 4MP Lite/1080P/720P/WDI@25fps (PAL) / 30fps (NTSC) IP Channel: 25fps (PAL) / 30fps (NTSC)
Playback	Playback	16CH
	Search	Time slice / time / event / tag search
Alarm	Mode	Manual, motion, exception, smart event
	Input	No
	Output	No
Storage	HDD	SATA× 2, up to 8TB per HDD
Network	Interface	RJ 45 1000Mbps × 1
	In./Out. Bandwidth	32Mbps (Max.64Mbps) / 96 Mbps
Backup	Local Backup	U disk, USB mobile HDD
Others	Power Supply	DC12V /4A
	Consumption	≤30W (without HDD)
	Dimensions(mm)	380 × 268 × 45 (W × D × H)
	Working Environment	- 10 °C ~ 50 °C, 10 % ~ 90 % Humidity



POE-4

4*10/100Mbps Active 4 + 1, 4 Port POE Switch External. Compatible with TVT-NVR's. Dimensions L136 x W66 x H32mm



POE-8

8*10/100Mbps Active 8 + 2GE, 8 Port POE Switch Built in. Compatible with TVT-NVR's. Dimensions L270 x W180 x H45mm



POE-16

16*100/1000Mbps Active 16+2, Full Gigabit POE Switch. Compatible with TVT-NVR's. Dimensions L270 x W180 x H45mm



POE-24

24*100/100Mbps Active 24 + 2, Full Gigabit POE Switch Built in. Compatible with TVT-NVR's. Dimensions L440 x W285 x H45mm



TVT-YZJ0204

Wall mount bracket for TVT-D28I2TVI
Dome Camera



TVT-YZJ0203

Wall mount bracket for TVT-D2.8TVI,
TVT-D28SPOE, TVT-D28I2Ai, TVT-D2.8POE,
TVT-D28I2POE Dome Cameras



TVT-YXH0205

Junction box for TVT-D2.8TVI, TVT-D28I2TVI,
TVT-D2.8POE Dome Cameras



TVT-YXH0103

Junction box for TVT-D2.8TVI, TVT-B28SPOE
TVT-B28I2POE, TVT-D2.8POE



TVT-YZJ0807

Ceiling bracket for TVT-PTZ5100
camera



TVT-YZJ0408

Wall mount bracket for
TVT-D2812TVI (also needs TVT-YXH0303 & TVT-YZJ0501)
TVT-D3312-8POE (also needs TVT-YXH0303 & TVT-YZJ0501)

TVT-YZJ0501



Pole mount bracket for
TVT-B2812TVI (also needs TVT-YXH0302)
TVT-D2812TVI (also needs TVT-YXH0303 & TVT-YZJ0408)
TVT-B28SPOE (also needs TVT-YXH0301)
TVT-B922POE (also needs TVT-YXH0302)
TVT-B2812POE (also needs TVT-YXH0301)
TVT-B3312-8POE (also needs TVT-YXH0302)
TVT-D3312-8POE (also needs TVT-YXH0303 & TVT-YZJ0408)



TVT-YXH0302

Junction box for TVT-B2812TVI, TVT-D2.8TVI,
TVT-B922POE, TVT-B3312-8POE, TVT-D2812Ai,
TVT-D2.8POE, TVT-D2812POE



TVT-YXH0303

Junction box for TVT-D2812TVI, TVT-D3312-8POE
Dome Cameras



TVT-YZJ0813

Ceiling Mount Bracket for 360 Degree
TVT-360POE Camera

Mobile App



SuperCam Plus



SuperCam Plus is TVT's new Generation Android & iOS Mobile App designed for H.265 & H.264 DVR's, NVR's & IPC. Key features include:

- Fully compatible with H.265 & H.264
- Intuitive, ease of function
- Operate at your fingertips
- Push notifications, fast response & OSD menu
- Multi-language & self adaptive
- Efficient playback & search function, freely zoom in & out via the time bar
- Ability to quickly share to Social Media

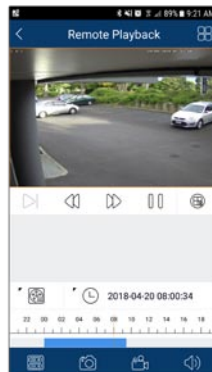
Select Camera



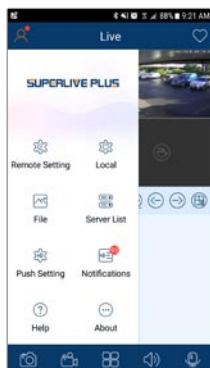
Single Camera View



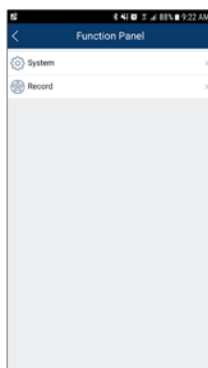
Search/Playback



General Settings



Function Panel



Device Settings





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