

ULTIMATE SURVEILLANCE SOLUTION



Thermal Imaging Camera



TPV-ISW is a stable static night vision camera equipped with a micro bolometer thermal imaging sensor. Embedded with QIET(Quality Imaging Enhancement Technology) and Virtual PTZ it is ideal for short and medium-range perimeter surveillance purposes and provides remarkable sharp and detailed images under ultimate harsh weather conditions.

OPEN TYPE CONTROL PANEL



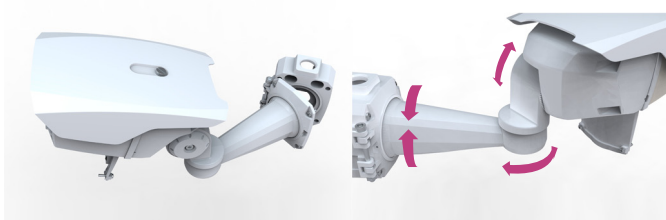
TBT's TPV-IHW is equipped with a flip-down controller, allowing the user to easily adjust the OSD menu after installation.(Depending on the model)

IP66 WEATHERPROOF HOUSING



IP rate, the most important value of the ultimate weatherproof video surveillance solution. Comparing most global competing products achieving IP66 rate on the market, TBT TPV-IHW Series proves its superb technical advantage achieving the high performance on the ultimate weather conditions.

BRACKET & JUNCTION BOX



Easy to install by built-in junction & Easy to adjust by 3-axis bracket.

NETWORK SPECIFICATIONS

IP	
Video compression	H.264, MJPEG
Resolution	NTSC : 720x480, 704x480, 320x240, 160x112 PAL : 720x576, 704x576, 352x288, 160x112
Security Management	User ID & PW, HTTPS
Application Programming Interface	ONVIF, PSIA
Network	
Interface	RJ-45, 10/100 Mbps
Access Network	Static, DHCP
Protocol	HTTP, RTP/RTSP(Uni/Multicast), TCP/IP(v4/v6), UDP, FTP, Telnet, HTTPS, RARP, PPPoE, SNMP, PAP, CHAP, DHCP, NTP, SMTP client, uPnP & etc
Frame Rate	
Thermal	Max 30fps(NTSC) / 25fps(PAL)
Video Streaming	
Thermal	Dual Streaming at Different Rates and Resolutions
Record	
Thermal	Dual Recording
Bit Rate control	
H.264	VBR Mode (6 level) / CBR Mode (32k ~ 12Mbps) / CVBR Mode
MJPEG	Band width Limit
Motion Detection	
Blocks	12 x 12 = 144 blocks
Sensitivity	-100 ~ 100
Upgrade	
Remote	Update available Web browser
FTP	Update available application
Client / Viewer	
Web viewer	Simple Access via Internet Explorer
CMS Software	Smartviewer Web viewer/ SmartNVR /CMS Software
Dynamic IP	
DDNS support	Dynamic DDNS Support (www.ipcctv.com)
Time Configuration Management	
Manual	Manual Configuration
NTP	Sync to Time Server
External Storage	
Micro SD (SDHC)	Max 64GB

TPV-IHW

THERMAL IMAGING WEATHERPROOF CAMERA



FEATURES

Thermal Imaging Camera

- 720 x 480 Super Clear Video Resolution by QIET Scale-up (Quality Image Enhancement Technology)
- Lowest NETD : <70mk
- Temperature measurement model available (Optional)

Mechanism

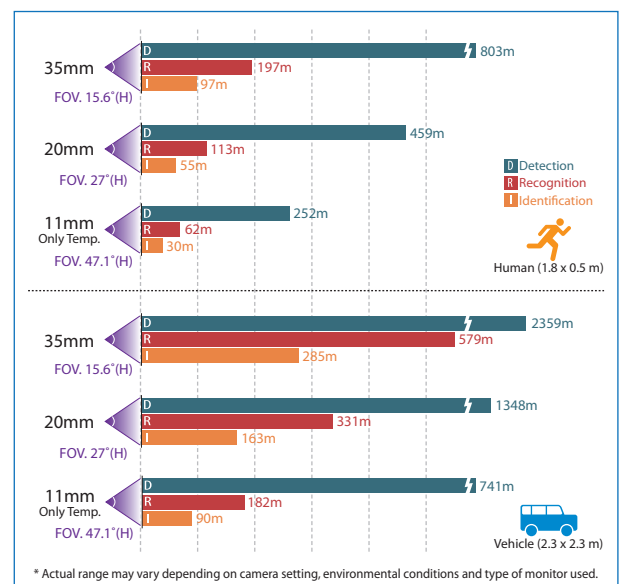
- IP66
- External OSD Menu Key Control (Open Type)
- 1,000 Hours Salt Spraying Test Passed (Optional)
- Concealed Cable Through Type with Junction Box Included
- Easy to Adjust 3-Axis Bracket



SPECIFICATIONS * Specifications are subject to change without notice.

THERMAL MODULE	
SENSOR	
Thermal Sensor	Uncooled Micro Bolometer
Pixel Pitch	17µm
Wave Length	8 ~ 14µm
Thermal sensitivity / NETD	70mK (@30°C / F1.0)
VIDEO	
Output Frequency	NTSC : 59.94Hz (30fps), PAL : 50Hz (25fps)
Video Output	CVBS : 1.0Vp-p/75Ω
Array Format	640 x 480
Resolution	720 x 480 (NTSC) / 720 x 576 (PAL)
LENS	
LENS	20mm (FOV 27° x 20.4°)[Basic], 35mm (FOV 15.6° x 11.7°)[Option]
FUNCTION	
Calibration	Auto/Manual/Interval(sec) Mode Selectable
Mide Level	1 ~ 15 (15 steps)
Sharpness	1 ~ 10 (10 steps)
Image FLIP	Vertical, Horizontal ON / OFF
Inverse Mode	ON / OFF
Freeze Mode	ON / OFF
Image Mode	Gray / Rainbow / Iron / Glowbow / 2 Color
D-ZOOM	ON / OFF (x4, 15steps)
AGC Mode	OFF / AGC / WAGC
Contrast	Settable 1 ~ 255(AGC OFF)
Brightness	Settable 1 ~ 255(AGC OFF)
Level	x1 / x1.5 / x2 / x2.5 / x3 / x5 / x8 / x15 / x30
ROI	FULL / CENTER / UNDER / UPPER / LEFT / RIGHT
Center POS	25% ~ 75% per 5%
Output Mode	NTSC / PAL
OSD Menu	Not Available
MECHANISM	
Dimensions	337.1mm(W) x 273.6mm(H) x 153.7mm(D)
Weight	2.35kg
Certifications	CE, FCC, IP66
POWER	
Power Consumption	DC12V 1.25A 15W (Max)
Power Supply	12V DC (2A), PoE (IEEE802.3at)
ETC.	
External Interface	IP
Storage Temperature	-25°C ~ 60°C
Operating Temperature	-35°C ~ 55°C

RANGE PERFORMANCE (LENS OPTIONS)



DIMENSIONS

