ITM SYSTEMS
INTELLIGENT TECHNOLOGY MANAGEMENT

	BT97
Model	BT97
Product Type	Mini PTZ
Maximum Resolution	3MP
Application Environment	Outdoor
Image Sensor	Progressive Scan CMOS
Day / Night	Yes
Superior Low Light Sensitivity	No
Minimum Illumination	Color: 0.1 lux, B/W: 0.05 lux at F1.8
Mechanical IR Cut Filter	Yes
IR LED	No
Lens	Zoom, f4.9-49mm / F1.8-3.0, DC iris, Auto focus
Zoom Ratio	10x optical
Panning and Tilting Range	Pan: -175°-175°, Tilt: 0°-180° (with E-flip)
Lens Mount	Board mount
Horizontal Viewing Angle	49.6°-5.6°
Compression	H.264 (Baseline/ Main/ High profile), MJPEG
Maximum Frame Rate vs. Resolution	20 fps at 2048 x 1536 30 fps at 1920 x 1080 30 fps at 1280 x 720 30 fps at 800 x 600 30 fps at 640 x 480 15 fps at 320 x 240
Horizontal Resolution (TV lines)	1450 TVL
Multi-Streaming	Dual streams
Wide Dynamic Range	Superior WDR (110 dB)
Digital Noise Reduction	DNR
S/N Ratio	52 dB
Audio	2-way (Line-in, Line-out)
Network Protocol & Service	TCP, UDP, HTTP, HTTPS, DHCP, PPPoE, RTP, RTSP, IPv6, DNS, DDNS, NTP, ICMP, ARP, IGMP, SMTP, FTP, UPnP, SNMP, Bonjour
Pan, Tilt or Zoom protocol	Visca, Pelco-D, Pelco-P
Network Connector	RJ-45
Digital Input/Output	1/1
Local Storage	MicroSDHC/MicroSDXC memory card slot (card not included)

Power Source	DC 12V; PoE Class 3
Environmental Casing	Weatherproof (IP67); Vandal proof (IK10)
Bundled Accessories	No
Mount Type	Surface, Pendant, Wall, Corner, Pole, Flush, Gang Box
Software Based Analytics (require PC based Smart Search Tool, IVS Server or ALPR Server)	Face Detection, Motion Detection, Tamper, People Counting, Line crossing, Enter area, Exit area, Appear in area, Missing object, Unattended object, Crowd detection, Forbidden direction, Vehicle Counting, Heat Map, License Plate Recognition, Speed Detection
Client PC Operating System	Windows 7, Windows Server 2008, Windows Vista, Windows Server 2003, Windows XP
PC Web Browser	IE 8, IE 9, IE 10, IE 11, Firefox with VLC, Chrome with VLC, Safari with Quicktime
ONVIF Compliant	Yes
Heater	Yes
Fan	Yes
Starting Temperature	-20°C ~ 50°C (-4°F ~ 122°F) within 30 minutes
Operating Temperature	-20°C ~ 50°C (-4°F ~ 122°F)
Approvals	CE, FCC, IP67, NEMA 4X, UL (for optional PoE injector and power adapter)
Warranty	1 Years* (3 Months in continuous motion)