



	IT98
	
Model	IT98
Product Type	Speed Dome
Maximum Resolution	2MP
Application Environment	Outdoor
Image Sensor	Progressive Scan CMOS
Day / Night	Yes
Low Light Sensitivity	Superior
White Balance	Automatic
Minimum Illumination	Color: 0.1 lux, B/W: 0.05 lux at F1.6
Mechanical IR Cut Filter	Yes
IR LED	Yes, Adaptive IR (Object & Zoom Adaptive IR)
IR Working Distance	180m
Lens	Zoom, f4.5-148.5mm / F1.6-5.0, DC iris, Auto focus
Zoom Ratio	33x optical 16x Digital Zoom
Panning and Tilting Range	Pan: 0°-360° endless; Tilt: -20°-200°
Lens Mount	Board Motorised lens
Horizontal Viewing Angle	64.7°-2.07°
Compression	H.264 (Baseline/ Main/ High profile), MJPEG, MPEG4
Maximum Frame Rate vs. Resolution	60 fps at 1920 x 1080 60 fps at 1280 x 720 30 fps at 640 x 480 30 fps at 320 x 240
Horizontal Resolution (TV lines)	1800 TVL
Multi-Streaming	Triple streams
Wide Dynamic Range	Extreme WDR (145 dB)
Digital Noise Reduction	2D+3D DNR
Digital Image Stabilizer	Digital Image Stabilizer
Defogging	Defogging
S/N Ratio	56 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	4/2
Local Storage	MicroSDHC memory card slot (card not included)
Power Source	AC 24V; High PoE
Environmental Casing	Weatherproof (IP66); Vandal Proof casing (IK10); bundled dome cover (IK09), optional dome cover (IK10)
Bundled Accessories	Power adapter
Mount Type	Pendant, Wall, Corner, Pole
Built-in Analytics	Motion Detection, Tamper, Face Detection, Digital Image Stabilizer, Shock Detection, Object Counting, People Counting, PTZ Auto Tracking, Line Crossing, Enter Area, Unattended Object (some of the algorithms may not be available in the first release, can be upgraded for free later)
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	-40°C ~ 50°C (-40°F ~ 122°F) within 30 minutes
Operating Temperature	-40°C ~ 50°C (-40°F ~ 122°F)
Approvals	CE, FCC, IP66, IK10 (metal casing), NEMA 4X, UL (for bundled power adapter)
Warranty	2 Years* (1 Year in continuous motion)