


	B83	
		
Model	B83	
Product Type	Zoom Dome	
Maximum Resolution	2MP	
Application Environment	Outdoor	
Image Sensor	Progressive Scan CMOS	
Sensor Size	1/2.8 "	
Effective Pixels	1944(H) X 1224(V) (2.38 MP)	
Day / Night	Yes	
Low Light Sensitivity	Superior	
Minimum Illumination	Color: 0.1 lux at F1.3 (30 IRE, 2400 K); B/W: 0 lux at F1.3 (IR LED on)	
Mechanical IR Cut Filter	Yes	
IR LED	Adaptive IR LED	
IR Working Distance	40m	
Horizontal Resolution (TV Lines)	1450 TVL	
S/N Ratio	56 dB	
Focal Length	Zoom, f3.0-9mm	
Aperture	F1.3-F2.2	
Zoom Ratio	3x optical	
Zoom Application	Camera Installation, Auto Zoom by Event, Manual Operation	
Iris	DC iris	
Focus	Auto focus	
Lens Mount	Board mount	
Horizontal Viewing Angle	113.7° - 38°	
Viewing Angle Adjustment	Pan: -175°-175°, Tilt: 5°-170°, Rotation: -175°-175°	
Compression	H.264 (Baseline/ Main/ High profile), MJPEG	
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	
Multi-Streaming	Simultaneous triple streams	
Wide Dynamic Range	Extreme WDR (145 dB)	
Image Enhancement	Digital Image Stabilizer, Defogging	
Digital Noise Reduction	2D + 3D DNR	
Privacy Mask	20 configurable 3D privacy masks	
Built-in Analytics	Object Based Motion Detection, Tamper, Digital Image Stabilizer, Shock Detection, Line Crossing, Enter Area, Missing Object, Unattended Object, Loitering	
VMS-based Analytics	Face Detection, Object Based Motion Detection, Tamper, People Counting, Line Crossing, Enter Area, Exit Area, Appear in Area, Missing Object, Unattended Object, Crowd Detection, Direction Detection, Vehicle Counting, Heat Map, License Plate Recognition, Speed Estimation, (require PC-based or standalone IVS or ALPR Server)	
Image Orientation	Rotation	
Audio Type	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	
Ethernet Port	1 x RJ-45 connector	
Digital Input/Output	2/2	
Local Storage	MicroSDHC, MicroSDXC memory card slot (card not included)	
Power Source	DC 12V, PoE Class 3 (IEEE802.3af)	
Power Consumption	12.95 W (PoE)	
Environmental Casing	Weatherproof (IP67), Vandal proof (IK10)	
Mount Type	Surface, Gang box, Flush, Pendant, Wall Mount, Pole Mount, Corner Mount, Converter for NPT Standard Mount	
Heater	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, IP67, IK10, NEMA 4X, UL (for optional PoE injector and power adapter)	
Warranty	3 Year(s)	
GPS Position	Manual setting	
ONVIF Compliant	Yes, Profile S, Profile G	
Web Browser	IE 8.0 or newer, Firefox with VLC, Chrome with VLC, Safari with QuickTime	
Auto Firmware Upgrade	Yes	
Extended Warranty	2 Year(s)	
IVS performance	Certain algorithms may require more computing power, which may limit the number of algorithms that can be concurrently used in the camera. Please test the actual performance before using in a project.	
Product Availability	ACTi : 2016.04.18 Distributor : 2016.04.25	
MSRP (local, reference only)	USD\$1,739 *Preliminary Price	