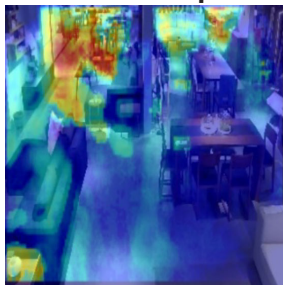# Q51

6MP Heat Map Indoor Hemispheric Dome with D/N, Adaptive IR, Extreme WDR, SLLS, Fisheye Lens

Full HD 1080

- 6 Megapixel with 1080p
- Day & Night with Adaptive IR LED and Superior Low Light Sensitivity
- Fisheye Lens with f1.3mm / F2.6
- Extreme WDR (130 dB)
- 20 fps at 3072 x 2048
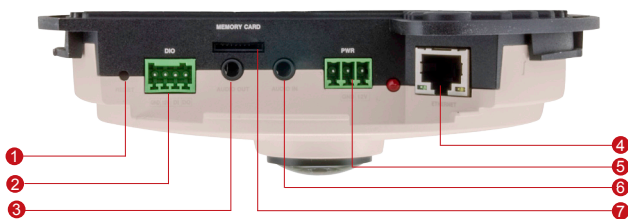- 180/360° Panorama View with Dewarped Streaming
- Heat Map

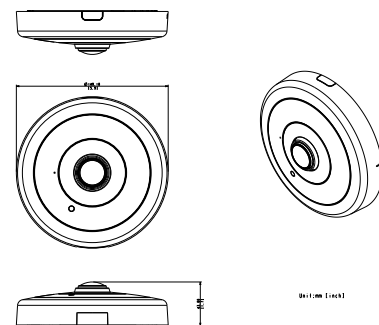## FEATURE INTRODUCTION

Heat Map

Heat Map video analytics camera is specifically designed to process heat map analytics to generate analysis meta-data. The meta-data analyzed could be collected by the ACTi reporting server for basic statistical report generation or the ACTi market application suite for business intelligence to provide advanced and customizable reports.

PHOTO INDICATION

1. Reset Button
2. Digital Input/Output
3. Audio Out
4. Ethernet Port
5. DC 12V
6. Audio In
7. Memory Card Slot

DIMENSION DIAGRAM

ACCESSORY OPTIONS

Power Supply		
PPOE-0001		IEEE 802.3af PoE Injector for Class 1, 2 or 3 devices, with universal adapter
PPBX-0002		AC 100-240V to DC 12V power adapter with universal connector

Popular Mounting Solutions		
Surface	Accessories not required	
Flush	PMAX-1009	
Pendant	PMAX-0101 PMAX-0103	

* For more mounting solutions, please refer to Project Planner on www.acti.com

PRODUCT SPECIFICATION

Q51	
• Device	
Device Type	Indoor Hemispheric Dome
Image Sensor	Progressive Scan CMOS
Sensor Size	1/1.8 "
Effective Pixels	3072 (H) x 2048 (V) (6.29 MP)
Day / Night	Yes
Low Light Sensitivity	Superior
Minimum Illumination	Color: 0.1 lux at F2.6 (30 IRE, 2400 K); B/W: 0 lux at F2.6 (IR LED on)
Color to B/W Switch	ISP based switch, configurable
Mechanical IR Cut Filter	Yes
IR Sensitivity Range	700 - 1100 nm
IR LED	Adaptive IR LED
IR Working Distance	20m
Electronic Shutter	1/5 ~ 1/2,000 sec (manual mode); 1/5 ~ 1/10,000 sec (auto mode)
Horizontal Resolution	1800 TVL
S/N Ratio	56 dB
• Lens	
Focal Length / Aperture	Fisheye lens, f1.3mm / F2.6
Iris	Fixed iris
Focus	Fixed focus
Mount Type	Board mount
Horizontal Viewing Angle	187°
• Video	
Compression	H.264 (Baseline / Main / High profile), MJPEG
View Mode	Fisheye view; Dewarped view: 180° / 360° Panorama, ePTZ
Max. Frame Rate vs. Resolution	**Fisheye view mode:** 20 fps at 3072 x 2048; 30 fps at 2048 x 2048; 30 fps at 1024 x 1024; 30 fps at 1280 x 960; 30 fps at 800 x 600; 30 fps at 640 x 480 **Dewarped view mode:** 24 fps at 1920 x 1920; 30 fps at 1920 x 1080; 24 fps at 1024 x 1024; 30 fps at 1280 x 720; 24 fps at 800 x 600; 30 fps at 640 x 480
Multi-Streaming	Simultaneous triple streams based on three configurations
Bit Rate	28 Kbps - 6 Mbps (per stream)
Bit Rate Mode	Constant, Variable
Image Enhancement	Extreme WDR (130 dB); White balance: automatic, hold and manual; Brightness; Contrast; Sharpness (auto); Automatic gain control; 2D+3D digital noise reduction; Flickerless; Defogging
Privacy Mask	32 configurable regions
Text Overlay	User defined text on video
Image Orientation	Image flip, mirror and rotation
Built-in Analytics	Heat Map, Dwell time, Object Based Motion Detection, Tamper, Shock Detection, Line Crossing, Enter Area, Missing Object, Unattended Object, Smoke Detection
• Audio	
Audio Type	2-way, Built-in Microphone, Mic-in, Line-in, Line-out
Compression	8 kHz, Mono, PCM, 16 bit encoding; G.711
Audio-In / Audio-out	Terminal block
• Network	
Protocol & Service	TCP, UDP, HTTP, HTTPS, DHCP, PPPoE, RTP, RTSP, IPv4, IPv6, DNS, DDNS, NTP, ICMP, ARP, IGMP, SMTP, FTP, UPnP, SNMP, Bonjour, Sony VISCA, Pelco D, Pelco P
Ethernet Port	1, Ethernet (10/100 Base-T), RJ-45 connector
Security	IP address filtering; HTTPS encryption; Password protected user levels; IEEE 802.1X network access control; Anonymous Login
• Alarm	
Alarm Trigger	Video motion detection (3 regions); External device through digital input; Sound detection
Alarm Response	Notify control center; Go to ePTZ preset point or preset tour; Change camera settings; Command other devices; E-mail notification with snapshots; Save video or snapshot to local storage; Upload video or snapshot to FTP server; Activate external device through digital output
• Interface	
Digital Input / Digital Output	1/1, Terminal block
Local Storage	MicroSDHC/MicroSDXC memory card slot (card not included)
• General	
Power Source / Consumption	PoE Class 3 (IEEE 802.3af) / 12.95 W
Weight	0.751 kg (1.65 lb)
Dimensions (Ø x H)	150 mm x 45 mm (5.9" x 1.8")
Mount Type	Surface, Wall Mount, Ceiling Bracket, Flush, Corner Mount, Pole Mount, Gang Box
Starting Temperature	-10°C ~ 50°C (14°F ~ 122°F)
Operating Temperature	-20°C ~ 50°C (-4°F ~ 122°F)
Operating Humidity	10% ~ 85% RH
Approvals	CE (EN 55022 Class B, EN 55024), FCC (Part15 Subpart B Class B), UL (for optional PoE injector and power adapter)
• Integration	
Unified Solution	Fully compatible with ACTi software
ISV Integration	Software Development Kit (SDK) available ; ONVIF compliant
Firmware Access Browser	Microsoft Internet Explorer 8.0 or newer (full functionality) Safari with QuickTime installed, and other browsers with VLC installed (partial functionality)
GPS Position	Manual Setting

ACTi
Connecting Vision