



المعايير الفنية المرجعية لمكونات المدينة الذكية

بأمانة العاصمة المقدسة

(( المكون الأول ))

كاميرات المراقبة



صفحة وحدة مدينتي ذكية

<http://www.holymakkah.gov.sa/mundeps/SmartCity>

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# المعايير الفنية لكاميرات المراقبة الخارجية البانورامية

## المواصفات

### Panorama Camera+PTZ

<b>Image Sensor</b>	Eight 1/1.9" 2Megapixel CMOS
<b>Effective Pixels</b>	2x4096(H)x1800(V)
<b>Scanning System</b>	Progressive
<b>Electronic Shutter Speed</b>	Auto/Manual, 1/3~1/100000s
<b>Minimum Illumination</b>	0.005Lux/F2.2( Color,1/3s,30IRE) 0.03Lux/F2.2( Color,1/30s,30IRE) 0.003Lux/F2.2( B/W,1/3s,30IRE) 0.02Lux/F2.2( B/W,1/30s,30IRE)
<b>S/N Ratio</b>	More than 50dB

### Panoramic Lens

<b>Lens Type</b>	Fixed								
<b>Mount Type</b>	Board-in								
<b>Focal Length</b>	5mm								
<b>Max. Aperture</b>	F2.2								
<b>Angle of View</b>	H: 360°, V:80°								
<b>DORI Distance</b>	<table border="1"> <tr> <td>Detect</td> <td>Observe</td> <td>Recognize</td> <td>Identify</td> </tr> <tr> <td>53m(178ft)</td> <td>21m(69ft)</td> <td>10m(33ft)</td> <td>5m(17ft)</td> </tr> </table>	Detect	Observe	Recognize	Identify	53m(178ft)	21m(69ft)	10m(33ft)	5m(17ft)
Detect	Observe	Recognize	Identify						
53m(178ft)	21m(69ft)	10m(33ft)	5m(17ft)						

### PTZ Camera

<b>Image Sensor</b>	1/1.9" 2Megapixel CMOS
<b>Effective Pixels</b>	1920(H)x1080(V)
<b>RAM/ROM</b>	1024MB/128MB
<b>Scanning System</b>	Progressive
<b>Electronic Shutter Speed</b>	Auto/Manual, 1~1/30000s
<b>Minimum Illumination</b>	0.002Lux/F1.5( Color,1/3s,30IRE) 0.01Lux/F1.5( Color,1/30s,30IRE) 0.001Lux/F1.5( B/W,1/3s,30IRE) 0.008Lux/F1.5( B/W,1/30s,30IRE)
<b>S/N Ratio</b>	More than 50dB

### PTZ Lens

<b>Lens Type</b>	Motorized /Auto Iris(HALL)
<b>Mount Type</b>	Board-in
<b>Focal Length</b>	5.5mm~206mm
<b>Max. Aperture</b>	F1.5
<b>Angle of View</b>	H: 65.8°~2.0°
<b>Optical Zoom</b>	37x

<b>Focus Control</b>	Motorized				
<b>DORI Distance</b>	<b>Lens</b>	<b>Detect</b>	<b>Observe</b>	<b>Recognize</b>	<b>Identify</b>
	W	70m(229ft)	28m(92ft)	14m(46ft)	7m(23ft)
	T	2080m(6824ft)	832m(2730ft)	416m(1365ft)	208m(682ft)
<b>PTZ</b>					
<b>Pan/Tilt Range</b>	Pan: 0° ~ 360° endless; Tilt: -20° ~ 90°, auto flip 180°				
<b>Manual Control Speed</b>	Pan: 0.1° ~ 240° /s; Tilt: 0.1° ~ 120° /s				
<b>Presets</b>	300				
<b>PTZ Mode</b>	5 Pattern, 8 Tour, Auto Pan ,Auto Scan				
<b>Speed Setup</b>	Human-oriented focal Length/ speed adaptation				
<b>Power up Action</b>	Auto restore to previous PTZ and lens status after power failure				
<b>Idle Motion</b>	Activate Preset/ Scan/ Tour/ Pattern if there is no command in the specified period				
<b>Protocol</b>	DH-SD, Pelco-P/D (Auto recognition)				
<b>Intelligence</b>					
<b>Auto Tracking</b>	Support				
<b>IVS</b>	Tripwire, Intrusion				
<b>Video</b>					
<b>Compression</b>	H.265/H.264				
<b>Streaming Capability</b>	3 Streams				
<b>Resolution</b>	Panoramic Camera	2x4096x1800/2x3840x1680/2x2880x1264/ /2x1920x832/2x1280x560/2x1024X452			
	PTZ Camera	1080P(1920x1080)/ 1.3M(1280x960)/ 720P(1280x720)/ D1 (704x576/704x480)/ CIF(352x288/352x240)			
<b>Frame Rate</b>	Panoramic Camera	Main Stream: 2x4096x1800(1~25fps)			
		Sub Stream: 2x1024X452 (1 ~ 25/30fps)			
		Third Stream: 2x1920x832 (1 ~ 25/30fps)			
	PTZ Camera	Main Stream: 1080P(1~50/60fps)			
		Sub Stream: D1(1~50/60fps)			
		Third Stream: 1080P(1~50/60fps)			
<b>Bit Rate Control</b>	CBR/VBR				
<b>Bit Rate</b>	Panoramic Camera	H.265: 2x (14Kbps~ 8192Kbps) H.264: 2x (24Kbps~ 8192Kbps)			
	PTZ Camera	H.265: 4Kbps~ 8192Kbps H.264: 8Kbps~ 7168Kbps			
<b>Day/Night</b>	Auto(ICR) / Color / B/W				
<b>BLC Mode</b>	BLC / HLC / WDR				
<b>White Balance</b>	Auto/Natural/Street Lamp/Outdoor/Manual				
<b>Gain Control</b>	Auto/Manual				

<b>Noise Reduction</b>	3D DNR	
<b>Motion Detetion</b>	Off / On (4 Zone, Rectangle)	
<b>Region of Interest</b>	Off / On (4 Zone)	
<b>Defog</b>	Support(For PTZ Camera only)	
<b>Digital Zoom</b>	16x	
<b>Flip</b>	N/A	
<b>Mirror</b>	N/A	
<b>Privacy Masking</b>	Panoramic Camera	Off / On (4 Area, Rectangle)
	PTZ Camera	Off / On (24 Area, Rectangle)
<b>Audio</b>		
<b>Compression</b>	G.711a/G.711Mu/AAC/ G.726	
<b>Network</b>		
<b>Ethernet</b>	RJ-45 (100/1000Base-T)	
<b>Protocol</b>	HTTP;HTTPS;TCP;ARP;RTSP;RTP;UDP;SMTP;FTP;DHCP;DNS;DDNS;PPPOE;IPv4/v6;QoS;UPnP;NTP;Bonjour;802.1x;Multicast;ICMP;IGMP;SNMP	
<b>Interoperability</b>	ONVIF, PSIA, CGI	
<b>Streaming Method</b>	Unicast / Multicast	
<b>Max. User Access</b>	10 Users/20 Users	
<b>Edge Storage</b>	NAS Local PC for instant recording Mirco SD card 128GB	
<b>Web Viewer</b>	IE, Chrome, Firefox, Safari	
<b>Management Software</b>	Smart PSS, DSS, Easy4ip	
<b>Smart Phone</b>	IOS, Android	
<b>Certifications</b>		
<b>Certifications</b>	CE (EN 60950:2000) UL:UL60950-1 FCC: FCC Part 15 Subpart B	
<b>Interface</b>		
<b>Video Interface</b>	1 Port(For PTZ Camera only)	
<b>Audio Interface</b>	2/1 channel In/Out	
<b>RS485</b>	1 Port	
<b>Alarm</b>	7 channel In: 5mA 5VDC 2 channel Out: 1A 30VDC / 0.5A 50VAC	
<b>Electrical</b>		
<b>Power Supply</b>	DC36V	
<b>Power Consumption</b>	<120W	
<b>Environmental</b>		
<b>Operating Conditions</b>	-40° C ~ +60° C (-40° F ~ +140° F) / Less than 95% RH	

<i>Storage Conditions</i>	<i>-40° C ~ +60° C (-40° F ~ +140° F) / Less than 95% RH</i>		
<i>Ingress Protection</i>	<i>IP67</i>		
<i>Vandal Resistance</i>	<i>IK10</i>		
<b>Construction</b>			
<i>Casing</i>	<i>Metal</i>		
<i>Dimensions</i>	<i>Φ449.5mm×342.5mm(Φ17.7"×13.48")</i>		