



المعايير الفنية المرجعية لمكونات المدينة الذكية

بأمانة العاصمة المقدسة

((المكون الأول))

كاميرات المراقبة



صفحة وحدة مدينتي ذكية

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

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المعايير الفنية لكاميرات المراقبة الداخلية

المواصفات

Positioning Camera

Image Sensor	1/1.9" CMOS
Effective Pixels	1920(H) x 1080(V), 2 Megapixels
RAM/ROM	1024M/64M
Scanning System	Progressive
Electronic Shutter Speed	1/1s~1/30,000s
Minimum Illumination	Color: 0.002Lux@F1.5; B/W: 0.0002Lux@F1.5; 0Lux@F1.5 (IR on)
S/N Ratio	More than 55dB
IR Distance	Distance up to 300m(984ft)
IR On/Off Control	Auto/Manual
IR LEDs	4
Wiper	Support

Lens

Focal Length	6mm ~ 180mm
Max. Aperture	F1.5~ F4.3
Angle of View	H: 61.2° ~ 2.1°
Optical Zoom	30x
Focus Control	Auto/Manual
Close Focus Distance	100mm~ 1000mm

DORI Distance

Detect	Observe	Recognize	Identify
1920m(6299ft)	768m(2520ft)	384m(1260ft)	192m(630ft)

PTZ

Pan/Tilt Range	Pan: 0° ~ 360° endless; Tilt: -90° ~ 45°
Manual Control Speed	Pan: 0.1° ~160° /s; Tilt: 0.1° ~60° /s
Preset Speed	Pan:160° /s; Tilt: 60° /s
Presets	300
PTZ Mode	5 Pattern, 8 Tour, Auto Pan ,Auto Scan
Speed Setup	Human-oriented focal Length/ speed adaptation
Power up Action	Auto restore to previous PTZ and lens status after power failure
Idle Motion	Activate Preset/ Scan/ Tour/ Pattern if there is no

	<i>command in the specified period</i>
<i>Protocol</i>	<i>DH-SD, Pelco-P/D (Auto recognition)</i>
Intelligence	
<i>Event Trigger</i>	<i>Motion detection, Video tampering, Scene changing, Network disconnection, IP address conflict, Illegal Access, Storage anomaly</i>
<i>Auto Tracking</i>	<i>Support</i>
<i>IVS</i>	<i>Tripwire, Intrusion, Abandoned/Missing</i>
<i>Advanced Intelligent Functions</i>	<i>Face Detection, Heat Map</i>
Video	
<i>Compression</i>	<i>H.264 / MJPEG</i>
<i>Streaming Capability</i>	<i>3 Streams</i>
<i>Resolution</i>	<i>1080P(1920×1080)/720P(1280×720)/D1(704×576/ 704×480)/CIF(352×288/352×240)</i>
<i>Frame Rate</i>	<i>Main stream: 1080P(1~25/30fps), 720P(1~50/60fps)</i>
	<i>Sub stream1: D1/CIF(1 ~ 25/30fps)</i>
	<i>Sub stream2: 1080P/720P/D1/CIF (1 ~ 25/30fps)</i>
<i>Bit Rate Control</i>	<i>CBR/VBR</i>
<i>Bit Rate</i>	<i>H.264: 448K~8192Kbps, MJPEG: 4096K~20480Kbps</i>
<i>Day/Night</i>	<i>Auto(ICR) / Color / B/W</i>
<i>Backlight Compensation</i>	<i>BLC / HLC / WDR (120dB)</i>
<i>White Balance</i>	<i>Auto, ATW, Indoor, Outdoor, Manual</i>
<i>Gain Control</i>	<i>Auto / Manual</i>
<i>Noise Reduction</i>	<i>Ultra DNR (2D/3D)</i>
<i>Motion Detection</i>	<i>Support</i>
<i>Region of Interest</i>	<i>Support</i>
<i>Electronic Image Stabilization (EIS)</i>	<i>Support</i>
<i>Defog</i>	<i>Support</i>
<i>Digital Zoom</i>	<i>16x</i>
<i>Flip</i>	<i>180°</i>
<i>Privacy Masking</i>	<i>Up to 24 areas</i>
Audio	
<i>Compression</i>	<i>G.711a/G.711mu/G.726/AAC</i>
Network	
<i>Ethernet</i>	<i>RJ-45 (10Base-T/100Base-TX)</i>
<i>Protocol</i>	<i>IPv4/IPv6, HTTP, HTTPS, SSL, TCP/IP, UDP, UPnP, ICMP, IGMP, SNMP, RTSP, RTP, SMTP, NTP, DHCP, DNS,PPPOE,DDNS,FTP, IP Filter,QoS,Bonjour,802.1x</i>

<i>Interoperability</i>	<i>ONVIF Profile S&G, API</i>
<i>Streaming Method</i>	<i>Unicast / Multicast</i>
<i>Max. User Access</i>	<i>20 users</i>
<i>Edge Storage</i>	<i>Local PC for instant recording, Micro SD card 128GB</i>
<i>Web Viewer</i>	<i>IE, Chrome, Firefox, Safari</i>
<i>Management Software</i>	<i>Smart PSS, DSS, DMSS</i>
<i>Smart Phone</i>	<i>IOS, Android</i>