

oQ-230-23/26/35/36X IP Speed Dome

OUTSTANDING ZOOM CAPACITIES
PTZ HIGH PERFORMANCE



Technical Specifications

CONTROL YOUR oQ-230
FROM INTERNET.

Now the Quaddrix Athena speed dome series breakthrough into the IP world with the new oQ-230 IP Speed Domes line, combining all the PTZ capabilities and functions of the traditional 230 series with a high end IP technology to bring you this new IP **openQ** PTZ line.

FULL PTZ CONTROL THROUGH THE NEW QUADDRIX **openQ** PRO SURVEILLANCE SYSTEM SOFTWARE INCLUDED WITH THE DOME.

FULL INTEGRATION WITH QUADDRIX IP DEVICES AND SOFTWARE.

FREE NVR SOFTWARE INCLUDED FOR LIVE VIEWING/RECORDING, E-MAP, ALARMS, PLAYBACK, BACKUP AND MORE. NO LICENSE REQUIRED. MANAGES UP TO 250 OPENQ DEVICES. REMOTE ACCESS VIA INTERNET EXPLORER

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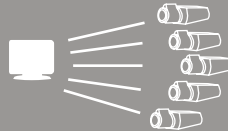
- H.264 Video Encoding Algorithm
Incredible video compression for recording



- Up To D1@30fps
Great live video 30 fps display performance.

30fps
recording
resolution

- Local Alarms In And Out
Reliable dome integration with other alarm systems.



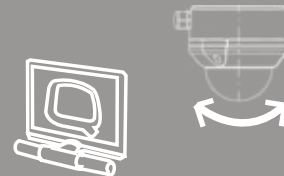
- Mic Input Connector
Synchronized audio for better surveillance capabilities



- Two Way Audio
Cross talking audio functions



- Free NVR openQ software for up to 250 devices, and full PTZ control from the NVR openQ software



- FTP And E-Mail event notification
receive your event notifications through email and FTP



- Embedded memory for local storage
in case of network failure



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WDR (Wide Dynamic Range)

This function allows you to obtain detailed images even in a mixture of over bright and dark scenes (only in 23 and 35x models).



WITH oQ-230 WDR



WITHOUT oQ-230 WDR

ICR (IR Cut Filter)

All the Quaddrix PTZ speed domes are equipped with an ICR filter which in normal light and bright light conditions filters the IR light that strikes the CDD providing clearer images and reducing the excessive bright images, and in low light conditions this filter is automatically removed to capture better and cleared images.

DSS (Digital Slow Shutter)

This special function allows the camera to have a long exposure time, providing higher sensitivity in low light environments. (only for 23X models)

EIS (Electronic Image Stabilizer)

This function allows you to have clear and steady images even in jumpy installation environments. (only for 26X and 35X models).

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	23X	26X	35X	36X
○ Scan System	Progressive Scan	2:1 Interlacing	2:1 Interlacing	2:1 Interlacing
○ Image Sensor	1/4" Sony ExView Progressive Scan CCD	1/4" SONY ExView HAD CCD	1/4" SONY ExView HAD CCD	1/4" SONY ExView HAD CCD
○ Total Pixels	NTSC: 758(H)x504(V); PAL: 758 x 592	NTSC: 768(H) x 494(V); PAL: 752(H) x 582(V)	NTSC: 768(H) x 494(V); PAL: 752(H) x 582(V)	NTSC: 768(H) x 494(V); PAL: 752(H) x 582(V)
○ Effective Pixels	360.000 pixels aprox	380.000 pixels aprox	380.000 pixels aprox	380.000 pixels aprox
○ Scan Frequency (H/V)	NTSC: 15.734 Khz /60Hz; PAL: 15.625 Khz/50Hz	NTSC: 15.734 Khz /60Hz; PAL: 15.625 Khz/50Hz	NTSC: 15.734 Khz /60Hz; PAL: 15.625 Khz/50Hz	NTSC: 15.734 Khz /60Hz; PAL: 15.625 Khz/50Hz
○ Horizontal Resolution	470TVL (color) / 550TVL(B&W)	470 TVL (color) / 550 TVL (B&W)	520 TVL (color) / 540TVL(B&W)	470 TVL (color) / 550 TVL (B&W)
○ Sensitivity	0.08Lux (color) / 0.013lux (B/W)	0.7 lux (color) / 0,01 lux (B/W)	0.05 lux (color)/ 0,01 lux (B/W)	0.1 lux (color)/ 0,01 lux (B/W)
○ Zoom Ratio	230x (optical 23X, digital 10X)	312X (Optical 26X, Digital 12X)	420x (optical 35X, digital 12X)	432X (Optical 36X, Digital 12X)
○ Sync System	Internal/Line-Lock	Internal	Internal	Internal
○ S/N	More than 50dB	More than 50 dB	More than 50 dB	More than 50 dB
○ White Balance	Auto/Manual	Auto / Manual	Auto	Auto / Manual
○ BLC	Off / Auto	Off / Auto	Auto	Off / Auto
○ WDR	Yes (Off/On; Auto, offset/Manual)	No	Yes (Off/On; Auto, offset/ Manual)	No
○ Electronic Image Stabilizer	No	Yes	Yes	No
○ ICR Cut Filter	Yes (Auto/Manual)	Yes (Auto/Manual)	Yes (Auto/Manual)	Yes (Auto/Manual)
○ DSS	Yes	No	No	No

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TECHNICAL SPECIFICATIONS FOR LENS

	23X	26X		
○ Angle Of View	54° (wide) - 2.5° (tele)	54.2° (wide) ~ 2.2° (tele)	55.8° (wide) ~ 1.7° (tele)	55.79° (wide) ~ 1.68° (tele)
○ Aperture	F1.6 ~ F3.7	F1.6 ~ F3.8	F1.4 ~ F4.2	F1.6 ~ F4.5
○ Focal Length	f=3.6 - 82.8mm	f = 3.5 ~ 91mm	f = 3.4 ~ 119 mm	f = 3.4 ~ 122.4mm

TECHNICAL SPECIFICATIONS PTZ FUNCTIONS

23X, 26X, 35X, 36X

○ PRESET NUMBER	80 with titles
○ PATTERNS	4
○ PRESET TOUR	4
○ PRIVACY MASKING	4
○ AUTO PAN	4
○ CONTROL BOARD	RS485 default
○ OPTIONAL PROTOCOL BOARDS	Phillips Bi-Phase, AD Manchester, Pelco Coaxitron, Sensornet, BBV (note: optional boards supports only the specified protocol)
○ BAUD RATE	2400/4800/9600/19200bps
○ ID RANGE	0~255

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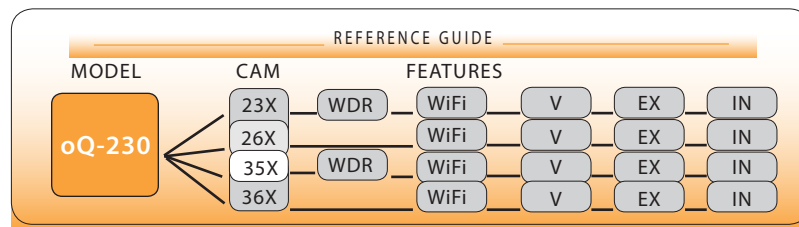
	23X, 26X, 35X, 36X
<input type="radio"/> Pan Speed (Manual)	0.5 ~ 120°/s
<input type="radio"/> Tilt Speed (Manual)	0.5 ~ 90°/s
<input type="radio"/> Preset Speed	> 300°/s
<input type="radio"/> Rotation	Pan 360° continuously - Tilt 0° ~ 90°
<input type="radio"/> Zoom Speed	3.9s/6.3s (wide tele)
<input type="radio"/> Auto Flip	Yes Rotates 180° a the bottom of the dome
<input type="radio"/> Heater And Blower	Yes (blower works con- tinuously heater works auto)
<input type="radio"/> Down Cover	Transparent, smoked, vandal proof
<input type="radio"/> Operation Temperature	-40° ~ 50°C
<input type="radio"/> Operation Humidity	0 ~ 95° %
<input type="radio"/> Environmental Protection	IP 66 Weather proof housing
<input type="radio"/> Lightning Protection	VS 4000 lightning proof. Surge proof.
<input type="radio"/> Dimensions	308 x 236mm
<input type="radio"/> Weight	6,3 Kg (bracket excluded)
<input type="radio"/> Power Requirements	24VAC 50/60Hz

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WDR: Wide Dynamic Range
V: Vandal Proof
EX: Exterior
IN: Interior

NETWORK SPECS (APPLIES FOR ALL)

• Built In Web Browser	Yes
• Internal Storage	Yes (Up to 1Gb fo local storage)
• Security	Multiple user access levels
• Users	With password protection UP to 10 users real time monitoring (account reusables)
• WiFi	Yes Optional
• Alarm Input	2 Channels
• Alarm Output	1 Channel
• Network Interfaces	1 CH RJ-45 10M/100M self-adaptive Ethernet
• Connectors	1 802.11b/g WIFI (optional), 1 RJ-45, 1 RS485 connector for PTZ control, 1 Alarms socket, 1 Mic IN 1 Audio Out, 1 24VAC connection socket
• Network Protocols	UDP/IP, TCP/IP, DNS, PPPoE, DDNS
• Signal System	PAL/NTSC
• Output	1 CH RJ45 network connector
• Video Compression	H.264
• Encode Speed	NTSC: 1~30Fps adjustable, PAL: 1~25Fps adjustable
• Encode Resolution	D1, CIF, QCIF
• Video Quality	1~6 (1 lowest, 6 highest)
• Audio Compression	G.711/AMR
• Cross Talking	Yes
• Input	1 CH Stereo Jack (for microphone)
• Output	1 CH Stereo Jack

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