

New Product

Athena QT-230



Technical Specifications

This Great PTZ, now just got better



Quaddrix[®]
Speed Domes

○ NEW FEATURES

- Quaddrix's Athena 230 speed dome now features 4 preset tours, 4 patterns and 4 scans.
- New Athena 230 has IP integration capabilities.
- Wide Dynamic Range *1
- Electronic Image Stabilizer *1
- Auto ICR filter *2

Athena QT-230



Technical Specifications

- **Built-in Multi-Protocol Solution**
The new QT-230 PTZ Speed Dome is compatible with a number of protocols such as: Pelco-D, Pelco-P, Pelco-Coax, Philips Bi-Phase, AD Manchester and Factory. This Allows the dome to be integrated in several PTZ networks.
- **Powerful Zoom of up to 432X**
With built-in 23X, 26X, 35X or 36X optical and either 12X or 16X digital zoom, these domes allow for monitoring of

scenes at ranges of up to 432X (model dependant).

NEW Athena QT-230



QT-230

- **TVS 4000V Lightning Proof**
Designed with 4000V standards, you can rest assured these cameras will withstand even the most extreme power conditions.
- **Robust Built-in tour preset, pattern and panning features**

With built-in features such as 80 presets with titles (predefined points), 4 preset tours, 4 pattern tours up to 180 seconds record (including pan, tilt and zoom functions). 4 auto panning areas, the QT-230 PTZ will effortlessly allow users to program and operate the dome. This allows to establish surveillance routines that increase performance and make programming and operation easier.

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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 QT-230 WDR



WITHOUT QT-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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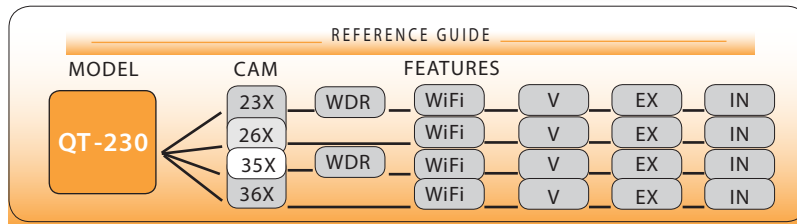
	23X	26X	35X	36X
○ Scan System	Progressive Scan	2:1 Interlacing	2:1 Interlacing	2:1 Interlacing
○ Image Sensor	1/4" Sony ExView Progressive Scan CCD	1/4" SONY ExView HAD CCD	1/4" SONY ExView HAD CCD	1/4" SONY ExView HAD CCD
○ Total Pixels	NTSC: 758(H)x504(V); PAL: 758 x 592	NTSC: 768(H) x 494(V); PAL: 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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WDR: Wide Dynamic Range
V: Vandal Proof
EX: Exterior
IN: Interior

TECHNICAL SPECIFICATIONS FOR LENS

	23X	26X	35X	36X
○ 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"/> OperationTemperature	-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