

- **Built-in Multi-Protocol Solution**
- **Robust Built - in tour preset, pattern and panning features**
- **Improve WDR Technology**
- **Vandal proof option and weather resistant (IP 66)**

General

New Quaddrix QT-240 integrated positioning system is the integration of a high speed and variable speed system that provides a smooth, continuous and stable motion due to its high speed decoder and PTZ plate built in mechanism.

Functions

Built-in Multi-Protocol Solution: The QTX-240 High Resolution PTZ Dome is compatible with protocols such as Pelco D, Pelco P, VCL, Vicon, Kalatel, Ernitec, Molyx, Diamond and Panasonic. This allows the dome to be integrated in several PTZ networks.

Preset s, tour s, pat terns, panning: 220 presets with titles (predefined points), 4 presets tours, 4 pattern tours each one up to 180 seconds record (including pan, tilt and zoom functions). 4 auto-panning areas. This allows to establish surveillance routines that increase performance and make programming and operation easier

Improve WDR Technology (Wide Dynamic Range): When a surveillance scene includes bright and dark areas, alternate images are captured at optimum exposure for both levels of illumination, and the resulting two fields are combined into a single frame.

This produces clear, glare-free images in a variety of lighting conditions, such as entrances with varying levels of indoor/outdoor illumination and situations where backlighting can make it difficult to identify facial features.



High precision movement: This device ensures you a 0.1° positioning accuracy due to its high standard stepper motors mechanism eliminating all the vibration caused by the motion.

FNR (Frame Noise Reduction): Frame noise reduction minimizes random noise and after-images often associated with moving subjects, making this high-performance unit suited to a variety of surveillance scenarios. Producing clear, sharp images even in challenging low-light conditions, this technology also facilitates image compression in network camera systems

EIS (Electronic Image Stabilizer): This function allows you to have clear and steady images even in jumpy installation environments. (only for 35X and 36X models).

ICR (IR Cut Filter): All the quaddrix PTZ sped domes are equipped with an ICR filter which in normal light and bright conditions filter the IR light that strikes the CCD 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

Multi language OSD menu: The new Quaddrix IPS comes with a built in OSD (On Screen Display) Multilanguage menu where you can select between: English, Spanish, Italian, German and Chinese.

7 in , 2 out Alarm: QT-222HR has 7 alarm inputs and 2 outputs built-in. This allows a quick alarm verification, automatization of CCTV's system and improving reaction times.

Vandal proof option and weather resistant (IP 66): This Cameras will be suitable for out door environments sensitive to vandalic behaviours and diferent climate conditions with humidity and dust.

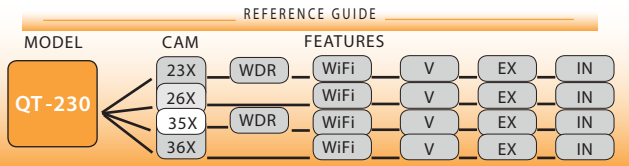
TVS 4000 Lightning Proof: Designed with 4000V standards, you can rest assured these cameras will withstand the most extreme power conditions.

Parts to be ordered separately

Order Information	Part Number	Description
Wall Bracket	QT-240W	Wall mount Bracket for QT-240 Series
Controller	QT-303/3X	PTZ Controller with Joystick, RS485, 3 axis, Multiprotocol, Power Supply Included
Corner Adapter	QT-10C	Corner Adapter, Must be used with QT-110W (for Speed Domes) or QT-240-W (for Integrated Positioning System)
Pole Adapter	QT-100-P	Pole Adapter, Must be used with QT-110W (for Speed Domes) or QT-240-W (for Integrated Positioning System)

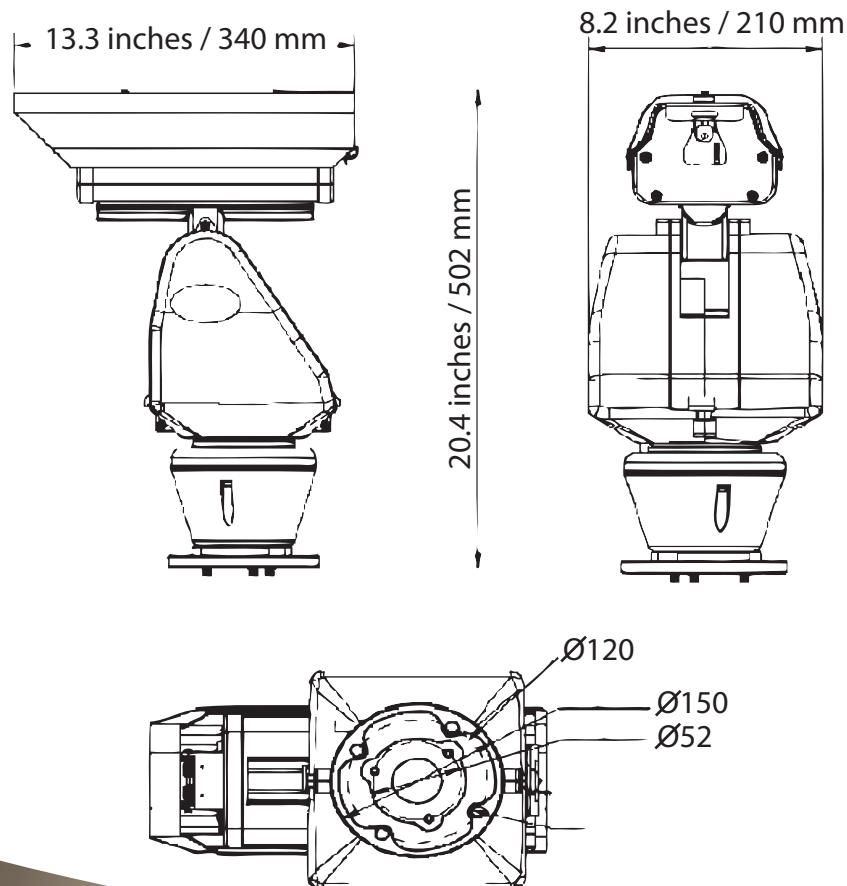
Definition of reference for cameras PTZ-magna

TYPE	types of Bell		Types of bubbles			IR	
	Indoor	Outdoor	N/A	Normal	Vandal proof	No	YES - 100m
N1		●		●		●	
N2		●			●	●	
N3	●			●		●	



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

Technical Drawing



Technical specifications:

Communications

Com. Interface	RS485/RS422; Bi-Phase, Manchester and Pelco-Coaxitron (optional)
Protocols	Pelco-D, Pelco-P, Pelco-C, Bosch, AD, VLC, Vicon, Kalatel, Ernitec, Molynx, Diamond and Panasonic

Environmental

Protection	P66
Operating Temp	40°C~60°C
Operating humidity	0~90%
Operating wind speed	90Km/h
Withstand wind speed	130K/h
Withstand rain fall	4mm/min
Ligthning protection	Yes (up to 4000V video and data surge protection) thermostat heater, fan, sun-shield, defroster and wiper.

Mechanical

Pan	360° continuously
Tilt	-90°~40°
Manual pan speed	0.1°~70°/s
Manual tilt speed	0.1°~50°/s
Present speed	40°/s
preset accuracy	0.1°
Net weight	9.6Kg
Max load	5Kg

Functions

OSD Menu	Yes
Multilanguage	Yes (English, Spanish, Italian, German and Chinese)
Preset number	220 with titles
Sequence	4 (up to 32 presets each)
Patterns	4 (up to 180sec each)
Panning	4
Masking zone	Yes; up to 8 zones
Auto running function	Yes

IR Illuminators

IR emission angle	20°
IR emission half angle	10°
IR Wavelength	850nm
Irradiation distance	180m
Operating temperature	-40°C ~ +60°C

Electrical

Working voltage	4V AC 50/60Hz
Power consumption	60W IR Off and 120W IR On
Working voltage with heater & fan	24V AC
Power consumption heater & fan	21 W

Technical specifications:

	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	Yes
○ ICR Cut Filter	Yes (Auto/Manual)	Yes (Auto/Manual)	Yes (Auto/Manual)	Yes (Auto/Manual)
○ DSS	Yes	No	No	No