

QT-222/HR

26X,35X, 36X High Resolution Day/Night PTZ Multiprocol

NEW FEATURES

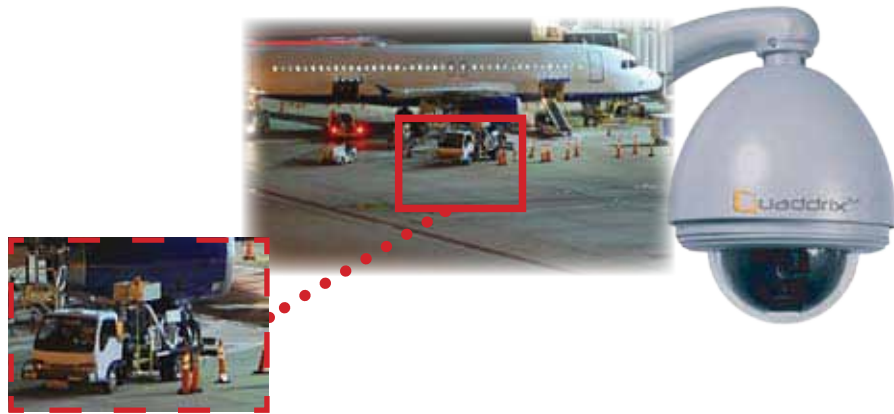
- Wide Dinamic Range
- Electronic Image Stabilizer
- Auto ICR fliter



Technical Specifications

[®]
Quaddrix
Speed Domes

*1 only for 35X Models
*2 only for 26X, 35X, 36X Models



Built-in Multi-Protocol Solution

The QT-222HR High Resolution PTZ Dome is compatible with protocols such as Pelco P, Pelco D, VCL, Vicon, SAE, Kalatel, Ernitec, Molynx, Diamond and Panasonic. This allows the dome to be integrated in several PTZ networks.

Powerful Zoom up to 432X

With built-in 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).

Presets, tours, patterns, panning

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

Optional Vandal Proof

In environments where physical attack of surveillance equipment is a potential problem, you can rest assured the toughened exterior of Athena's dome with the Vandal Proof feature will stand up to even the most determined attackers.

Backup memory

Featuring a backup memory module you can rest assured that your dome settings won't be affected even if the camera module is changed.

TVS 4000 Liggthning Proof

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

7 in, 2 out Alarm

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

QT-222/HR

26X,35X, 36X High Resolution Day/Night PTZ Multiprocol



Technical Specifications

[®]
Quaddrix
IP Speed Domes

.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-222 WDR



WITHOUT QT-222 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).

QT-222/HR

26X,35X, 36X High Resolution Day/Night PTZ Multiprocol

NEW FEATURES

- Wide Dinamic Range
- Electronic Image Stabilizer
- Auto ICR fliter



Technical Specifications



General

- Video Output
- Control board
- Protocols
- Optional Protocols Board

- Baud rate
- ID Range
- Fan & Heater
- Down cover

Operation Features

- Preset
- Pattern
- Preset Tour
- Privacy Mask
- Auto Pan

Alarms

- Inputs
- Outputs

Female BNC / UTP (jumper selectable)

RS-485 (default)

With the default RS-485 Board: Pelco P, Pelco D, VCL, Vicon, SAE, Kalatel, Ernitec, Molyntx, Diamon, Panasonic

Philips Bi-Phase, AD Manchester, Pelco Coaxitron, Sensornet, BBV (note: the optional boards only support the specified protocol).

2400/4800/9600/19200bps

1 ~ 254

Fan works continuously, heater stars automatically

Transparent / Smoked / Vandal Proof

220 With Titles

4

4

8

0° ~ 355° programmable. 4 auto panning

7

2

QT-222/HR

26X,35X, 36X High Resolution Day/Night PTZ Multiprocol



REFERENCE GUIDE						
MODEL	CAM	FEATURES				
QT-222	23X	WDR	WiFi	V	EX	IN
	26X		WiFi	V	EX	IN
	35X	WDR	WiFi	V	EX	IN
	36X		WiFi	V	EX	IN

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

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

QT-222/HR

26X,35X, 36X High Resolution Day/Night PTZ Multiprocol

NEW FEATURES

- **Wide Dinamic Range** *1
- **Electronic Image Stabilizer** *1
- **Auto ICR fliter** *2



Technical Specifications



Mechanical

- Pan/tilt speed (Manual)
- Preset Speed
- Rotation
- Zoom speed
- Auto flip

0.1 ~ 160°/s

360°/s (average) [540°/s Max.]

Pan 360° continuously - Tilt 0° ~ 90°

3,9s/6,3s (wide/tele)

Auto

Electrical

- Power supply
- Power consumption

AC 24V 50/60Hz

55W

Environmental

- Temperature
- Humidity
- Protection grade

-40° ~ 70°C

0 ~ 95%

IP66 Weather proof housing, TVS 4000V lightning proof.
Surge proof.

Size

- Dimensions
- Weight
- Warranty

308x236mm

6,3 Kg (bracket excluded)

24 Months

Optional accessories: QT-110 PE, QT-110 C, QT-110 P, QT-110W
Optional Power supplies: QT - 24VAC- 2.5



MEET THE NEW FEATURES INCLUDED IN OUR EMPOWERED SPEED DOME

QT-222HR



FEATURES

Quaddrix[®]
Speed Domes

New Multilanguage OSD Menu

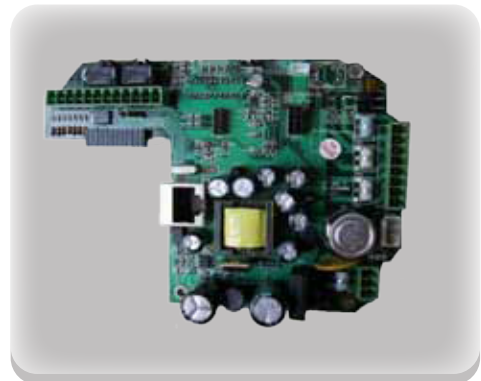
A new Multilanguage OSD Menu, The old QT-222 included only English language; the new version supports English, French, Portuguese, Spanish, Italian, German, Russian, Polish and Chinese languages.

The new Power Board installed increase versatility in this new QT-222 dome letting you choose the transmission media between Fiber optic or analogue just adding a communication module that match your needs.

New Power Board



OLD POWER BOARD



NEW POWER BOARD

More control protocols are included to the device, just adding one of the next modules; R: RS485 (Pelco D, Pelco P, VCL, Panasonic, etc).



MEET THE NEW FEATURES INCLUDED IN OUR EMPOWERED SPEED DOME

QT-222HR



FEATURES

More Control Protocols Included



M: MCHST American Dynamics Protocol.



P: Phillips-Bosch (Phillips Bi-Phase protocol)

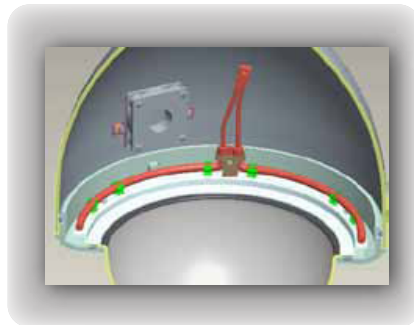


C: Coax Pelco Coaxitron protocol

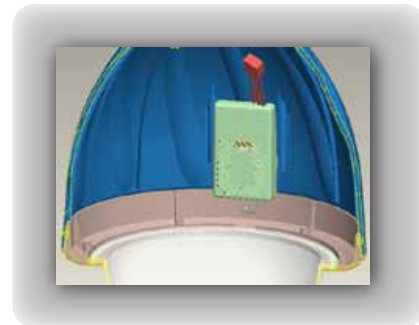
New Autosensing Camera Software

Camera module Sony and Hitachi hasn't to be configured on installing owed to his new autosensing camera software. Camera firmware has been upgraded to offer a more stable and robust product

New temperatura Control



OLD MODEL



NEW MODEL

Quaddrix[®]
Speed Domes



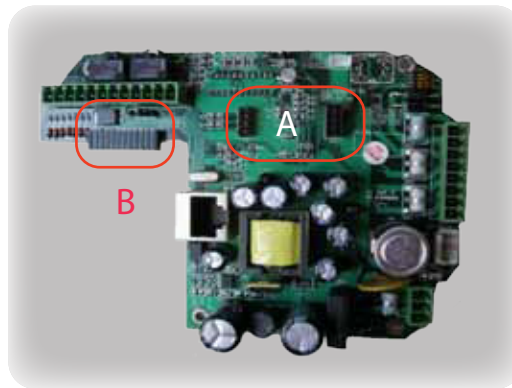
MEET THE NEW FEATURES INCLUDED IN OUR
EMPOWERED SPEED DOME

QT-222HR



FEATURES

Installing Transmission Modules



A: Protocol Board.

B: Communication Board

1. If using as Analogue Speed Dome: Insert Protocol board (A); Insert analogue board (B).
2. If using as Fiber Optic Speed Dome: Insert Fiber Optic Board (A); connect analog Board (B)

After Sale Service

- If Main board is defective in old QT-222; this board can be replaced by the new QT-222 board; after done this, dome initialize to factory default settings deleting all the configuration saved in the old board.
 - If Power Board is defective in old QT-222; There are two options: replace by an old power board; or update to the new system changing the power board, the main board and the new temperature system (Fan and heating).
 - Never use old main board and old power board of QT-222 in the new model.
 - Never mix the housing and dome module between old QT-222 and new QT-222 version.
- If any defective units, please inform factory the Dome S/N .or part No. printed on PCB

Quaddrix[®]
Speed Domes