



# QTX-810 series



- viewQ technology
- Resolution Options up to 600TVL
- BackLight Compensation
- DNR (Digital Noise Reduction)
- DSS (Digital Slow Shutter)



## General

Quaddrix® Magna all-in-one cameras are the perfect solution for those applications where illumination is an issue. With their powerful infrared illuminators, you can capture images in scenes of complete darkness, which, combined with a high-resolution image sensor of up to 600TVL, won't miss any detail. When lights go off, the QTX-810 Series will turn on its illuminators and continue capturing the scene.

## Functions

**viewQ Technology:** the Quaddrix ViewQ Technology employees, but it is the only technology to employ hundreds of thousands of pixels simultaneously, acting like individual cameras. These constantly self-adjusting pixels eliminate image-compromising visual noise and deliver high resolution, natural color, and clarity. The result is simply unparalleled image quality, regardless of lighting conditions or applications.

**IR Capability:** The Infrared lighting option included in the QTX-810 series will operate in supervised areas up to 50mts with low and zero visibility, thereby improving the performance of your CCTV solution.

**WDR (Wide Dynamic Range):** The Infrared lighting option included in the QTX-810 series will operate in supervised areas up to 50mts with low and zero visibility, thereby improving the performance of your CCTV solution.

**DSS (Digital Show Shutter):** DSS improves camera performance under low light conditions with its automatic shutter speed by allowing lighter path to the camera to improve its level of sensitivity.

**DNR (Digital Noise Reduction):** The Digital Noise Reduction technology (DNR) improves image quality by reducing fixed and random noises; as an additional benefit, DNR helps optimize the recording process.

**Weather resistant (IP 66):** These cameras are suitable for outdoor environments sensitive to different climate conditions with humidity and dust.

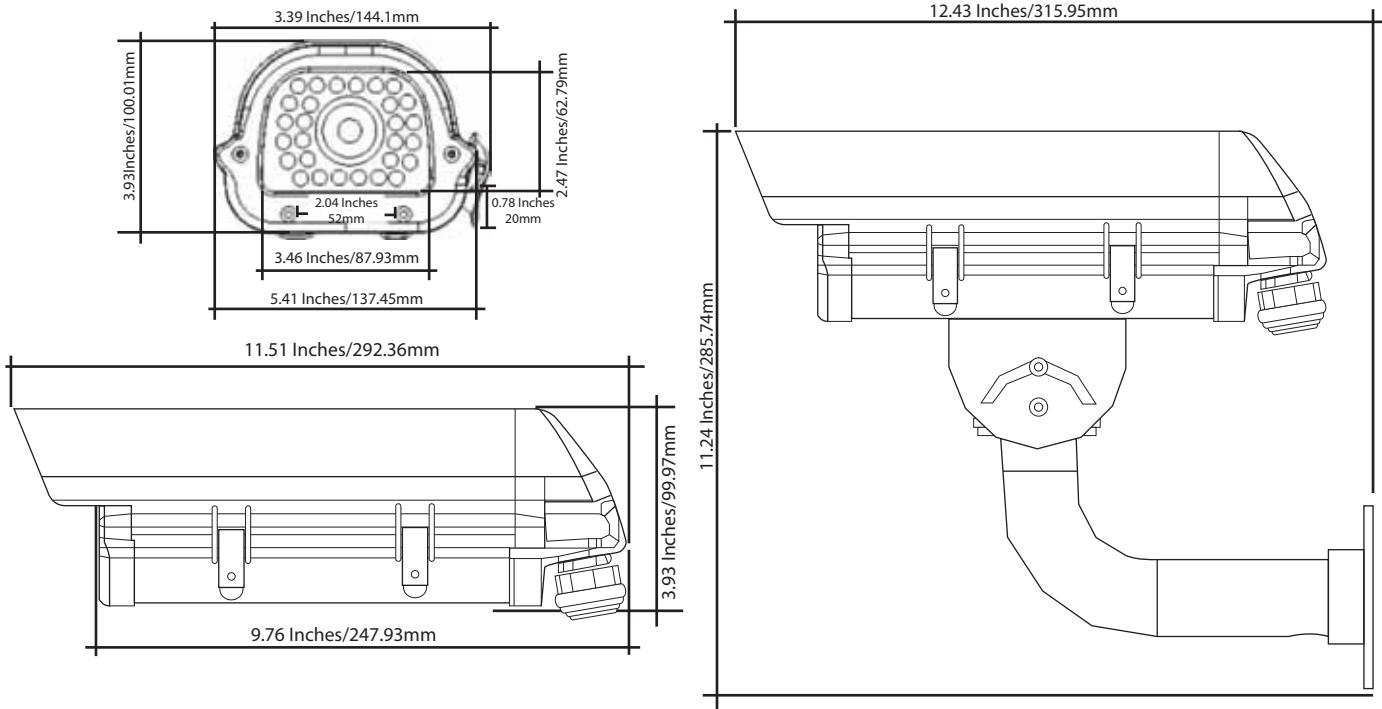
## Parts included

QTX-810 Mini Dome  
Wall Bracket

## Parts to be ordered separately

Order Information	Part Number	Description
Power Supply	QT-12DC-1.25A	Power Supply 12VDC 1200mA

## Technical Drawing



## Technical specifications:

### Optical specification

### QTX-810-C12

### QTX-810-D12

Image Sensor	1/3" Sony Super HAD CCD	1/3" Sony Super HAD CCD
Effective Pixels	510(H) x 492(V)	768(H) x 494 (V)
Total Pixels	537(H) x 505(V)	811(H) x 508(V)
Signal System	"NTSC (standard) PAL (optional) must add -X to the model name (ex: QTX-60-C1-X for PAL version)"	"NTSC (standard) PAL (optional) must add -X to the model name (ex: QTX-60-C1-X for PAL version)"
Resolution	420 TVL	540 TVL
Sensitivity	0.1 Lux 0 Lux IRs ON	0.01 Lux 0 Lux IRs ON
Day/Night function	Yes	Yes
BackLight Compensation	Yes	Yes
S/N Ratio	More than 52dB	More than 52dB
Electronic Shutter	"NTSC: 1/60 ~ 1/100000 PAL: 1/50 ~ 1/100000"	"NTSC: 1/60 ~ 1/100000 PAL: 1/50 ~ 1/100000"
White Balance	Auto	Auto
Sync mode	Internal	Internal
AGC	Auto	Auto
WDR	No	No
Scan System	Interlaced	Interlaced
DSP	Yes	Yes
OSD	No	No
DNR (Digital Noise Reduction)	Yes	Yes
DSS (Digital Show Shutter)	No	No
Video Output	BNC connector, 1Vp-p 75Ω	BNC connector, 1Vp-p 75Ω
Vertical Phase	59.94Hz	59.94Hz

## Technical specifications:

	QTX-810-C12	QTX-810-D12
<b>Lens</b>		
<b>Lens Type</b>	Varifocal	Varifocal
<b>Focal Length</b>	9~22mm	9~22mm
<b>Angle of view</b>	9° ~ 23° (V) / 12° ~ 30° (H)	9° ~ 23° (V) / 12° ~ 30° (H)
<b>Mount type</b>	Board	Board
<b>Iris control</b>	Auto Iris DC Drive	Auto Iris DC Drive
<b>IR Illumination</b>		
<b>Infrared Wavelength</b>	850nm	850nm
<b>Infrared Lamp Irradiation Dist.</b>	50mts	50mts
<b>Mechanical</b>		
<b>Dimensions</b>	(3.93 "(H) x 11.5 "(l) 5.67" (w))(100mm (H) x 292.3mm (L) x 144.1 (W))	(3.93 "(H) x 11.5 "(l) 5.67" (w) (100mm (H) x 292.3mm (L) x 144.1 (W))
<b>Operation temperature</b>	-10°C ~ 50°C	-10°C ~ 50°C
<b>Operation humidity</b>	20% ~ 90%	20% ~ 90%
<b>Environmental protection</b>	Weatherproof - IP66 rated	Weatherproof - IP66 rated
<b>Vandal Proof</b>	No	No
<b>Accessories</b>	QT-204-WB (Wallmount Bracket) INCLUDED	QT-204-WB (Wallmount Bracket) INCLUDED
<b>Power</b>		
<b>Voltage</b>	12V DC	12V DC
<b>Power consumption</b>	1 Amp	1 Amp
<b>Recommended Power supply</b>	QT-12VDC-1.25A	QT-12VDC-1.25A

## Technical specifications:

### Optical specification

	QTX-810-C11	QTX-810-D11	QTX-810-E11
Image Sensor	1/3" Sony Super HAD CCD	1/3" Sony Super HAD CCD	1/3" Sony Super HAD CCD
Effective Pixels	510(H) x 492(V)	768(H) x 494 (V)	768(H) x 494 (V)
Total Pixels	537(H) x 505(V)	811(H) x 508(V)	811(H) x 508(V)
Signal System	NTSC (standard) PAL (optional) must add -X to the model name (ex: QTX-810-C11-X for PAL version)	NTSC (standard) PAL (optional) must add -X to the model name (ex: QTX-810-D11-X for PAL version)	NTSC (standard) PAL (optional) must add -X to the model name (ex: QTX-810-E11-X for PAL version)
Resolution	420 TVL	540 TVL	600 TVL
Sensitivity	0.1 Lux / 0Lux IR ON	0.1 Lux / 0Lux IR ON	0.1 Lux (color) / 0.001 Lux (B&W) 0Lux IR ON
Day/Night function	Yes	Yes	No
BackLight Compensation	Yes	Yes	Yes
S/N Ratio	More than 52dB	More than 52dB	More than 54dB
Electronic Shutter	"NTSC: 1/60 ~ 1/100000 PAL: 1/50 ~ 1/100000"	"NTSC: 1/60 ~ 1/100000 PAL: 1/50 ~ 1/100000"	NTSC: 1/60 ~ 1/100000 PAL: 1/50 ~ 1/100000
White Balance	Auto	Auto	Auto
Sync mode	Internal	Internal	Internal
AGC	Auto	Auto	Auto
WDR	No	No	No
Scan System	Interlaced	Interlaced	Interlaced
DSP	Yes	Yes	Yes
OSD	No	No	No
DNR (Digital Noise Reduction)	Yes	Yes	Yes
DSS (Digital Show Shutter)	No	No	No
Video Output	BNC connector, 1Vp-p 75Ω	BNC connector, 1Vp-p 75Ω	BNC connector, 1Vp-p 75Ω
Vertical Phase	59.94Hz	59.94Hz	59.94Hz

### Lens

	QTX-810-C11	QTX-810-D11	QTX-810-E11
Lens Type	Varifocal	Varifocal	Varifocal
Focal Length	2.8~10mm	2.8~10mm	2.8~10mm
Angle of view	20° ~ 65° (V) / 27° ~ 81° (H)	20° ~ 65° (V) / 27° ~ 81° (H)	20° ~ 65° (V) / 27° ~ 81° (H)
Mount type	Board	Board	Board
Iris control	Auto Iris DC Drive	Auto Iris DC Drive	Auto Iris DC Drive

### IR Illumination

	QTX-810-C11	QTX-810-D11	QTX-810-E11
Infrared Wavelength	850nm	850nm	850nm
Infrared Lamp Irradiation Dist.	50mts	50mts	50mts

### Mechanical

	QTX-810-C11	QTX-810-D11	QTX-810-E11
Dimensions	100mm (H) x 292.3mm (L) x 144.1 (W)	100mm (H) x 292.3mm (L) x 144.1 (W)	100mm (H) x 292.3mm (L) x 144.1 (W)
Operation temperature	-10°C ~ 50°C	-10°C ~ 50°C	-10°C ~ 50°C
Operation humidity	20% ~ 90%	20% ~ 90%	20% ~ 90%
Environmental protection	Weatherproof - IP66 rated	Weatherproof - IP66 rated	Weatherproof - IP66 rated
Vandal Proof	Yes	Yes	Yes
Accessories	QT-204-WB (Wallmount Bracket) INCLUDED	QT-204-WB (Wallmount Bracket) INCLUDED	QT-204-WB (Wallmount Bracket) INCLUDED

### Electrical

	QTX-810-C11	QTX-810-D11	QTX-810-E11
Voltage	12V DC	12V DC	12V DC
Power consumption	1 Amp	1 Amp	1 Amp
Recommended Power supply	QT-12VDC-1.25A	QT-12VDC-1.25A	QT-12VDC-1.25A

## Technical specifications:

### Optical specification

#### QTX-810-E12

Image Sensor	1/3" Sony Super HAD CCD
Effective Pixels	768(H) x 494 (V)
Total Pixels	811(H) x 508(V)
Signal System	NTSC (standard) PAL (optional) must add -X to the model name (ex: QTX-810-E11-X for PAL version)
Resolution	600 TVL
Sensitivity	0.1 Lux (color) / 0.001 Lux (B&W), OLux IR ON
Day/Night function	No
BackLight Compensation	Yes
S/N Ratio	More than 54dB
Electronic Shutter	NTSC: 1/60 ~ 1/100000 PAL: 1/50 ~ 1/100000
White Balance	Auto
Sync mode	Internal
AGC	Auto
WDR	No
Scan System	Interlaced
DSP	Yes
OSD	No
DNR (Digital Noise Reduction)	Yes
DSS (Digital Show Shutter)	No
Video Output	BNC connector, 1Vp-p 75Ω
Vertical Phase	59.94Hz

### Lens

Lens Type	Varifocal
Focal Length	9~22mm
Angle of view	9° ~ 23° (V) / 12° ~ 30° (H)
Mount type	Board
Iris control	Auto Iris DC Drive

### IR Illumination

Infrared Wavelength	850nm
Infrared Lamp Irradiation Dist.	50mts

### Mechanical

Dimensions	81.5mm (H) x 151mm (L) x 86.1 (W)
Operation temperature	-10°C ~ 50°C
Operation humidity	20% ~ 90%
Environmental protection	Weatherproof - IP66 rated
Vandal Proof	No
Accessories	QT-203-WB (Wallmount Bracket) INCLUDED

### Electrical

Voltage	12V DC
Power consumption	1 Amp
Recommended Power supply	QT-12VDC-1.25A