



### General

The viewQ Professional Camera produces 690 HTVL Effective of super high resolution. Provides true day/night vision and Digital Noise Reduction (DNR)

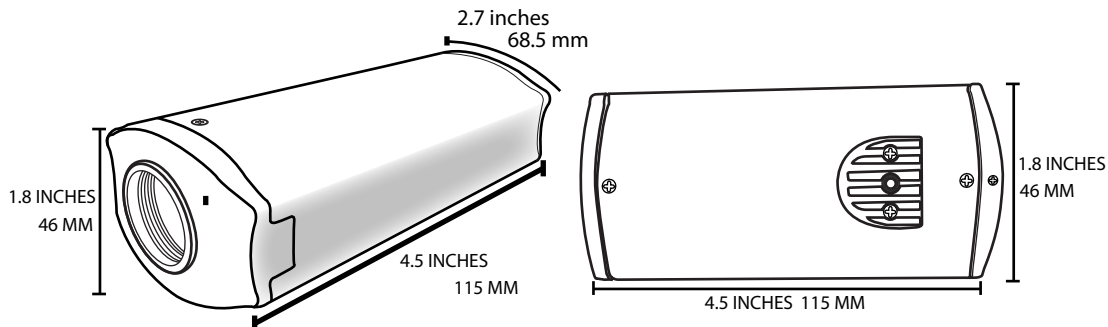
### Parts Included

- QTX-901

### Parts To Be Ordered Separately

Order Information	Part Number	Description
Power Supply	QT-12VDC-800	Power supply 12VDC 800mA

### Technical Drawing



## Technical Specifications

## Optical Specifications

## QTX-901

## Imaging

<b>Horizontal Resolution</b>	690 HTVL Equivalent
<b>Vertical Resolution</b>	460 VTVL
<b>Dynamic Range</b>	120dB max (102db Typical)
<b>Sensitivity</b>	0.1 Lux min illumination f1.2, 50 IRE, 30 FPS, 2850K, Color)
<b>Digital Slow Shutter</b>	2x/ 4x/ 8x/ 16x/ 32x
<b>Noise Reduction</b>	3D Motion Adaptive Noise Reduction (3DNR)
<b>SNR</b>	> 50 dB MAX
<b>AGC</b>	Programmable up to 50 dB
<b>Auto Iris</b>	DC
<b>Back Light Compensation</b>	BLC On/Off
<b>Day/Night</b>	True Day, Night
<b>White Balance</b>	ATW, PTWB
<b>WB Range</b>	2000 - 11,000K
<b>Meterig Zones</b>	4, User Definable

## Video

<b>Video Standards</b>	NTSC/PAL (software selectable)
<b>Aspect Ratio</b>	4:3 - 16:9 Scaled
<b>Synchronization</b>	Internal or Line Lock
<b>Flicker Reduction</b>	On/Off
<b>Image Flip</b>	Horizontal and Vertical
<b>Image Freeze</b>	Yes
<b>Digital PTZ</b>	Pan, Tilt, Zoom (1x - 8x)

## QTX-901

## Interfaces

<b>Identifiers</b>	Camera ID / Camera Number
<b>Local Control</b>	GPIO (Button/Joystick/DIP)
<b>Visual</b>	On-screen Display
<b>Privacy Zones</b>	12 Programmable Zones
<b>Activity Zones</b>	4 Programmable Zones

## Sensor

<b>Type</b>	Digital Pixel System ©
<b>Capture</b>	Global Electronic Shutter
<b>Electronic Shutter Speed</b>	1/25 - 1/30 720 second(f.1/2)
<b>Optical Format</b>	1/3" (6.3mm Image Diagonal)
<b>Total Pixels</b>	768 x 548 (420, 864)
<b>Effective Pixels</b>	758x540(409,320)
<b>Pixel Size</b>	7um x 7um
<b>Color Filter Array</b>	CMY+OLPF and IR Cut Filter

## Power Supply

<b>Voltage</b>	12 DVC +/- 10%
<b>Power</b>	

## Enviromental

<b>Temperature</b>	-10 to 50 Degrees C (operating)
--------------------	---------------------------------

## Functions

- **viewQ's Digital Pixel System Technology** delivers high-resolution, crystal clear images that accurately capture every aspect of any scene.
- **Ultra-wide dynamic Range** imaging accurately captures all of the critical details in a scene including highlights, shadows, and everything in between without compromising image quality or color accuracy
- **Effective Resolution Is Usable Resolution:** Increased vertical resolution increases a camera's effective image resolution. Higher VTVL allows CCTV cameras to capture more usable detail in an image. At the same time it prevents the camera from capturing false color noise that obscures details in images, unnecessarily bloats DVR file sizes, and confuses analytics algorithms. Standard DVRs as well as standard CRT and LCD video monitors support the additional vertical resolution. Effective resolution, as its name implies, is the best indicator for video security professionals of how effective a CCTV camera is really going to be in terms of capturing detail in an image.
- Enhanced low-light performance makes **viewQ** the natural choice for both indoor and outdoor cameras for all lighting conditions.
- **WDR (Wide Dynamic Range):** Get clearer images under backlight circumstances, where intensity of illumination changes continuously, and when there are both very bright and very dark areas simultaneously in the field of view of the camera.
- **DSS (Digital Show Shutter):** DSS improves camera performance under low light conditions by automatically adjusting the shutter speed by allowing lighter path to the camera to improve its level of sensitivity.
- **DNR (Digital Noise Reduction):** Digital Noise Reduction technology (DNR) improves image quality by reducing fixed and random noises. Also, as an additional benefit, DNR will help to optimize the recording process.