

# Specification Sheet

# STI-553HQD

## STI-553HQD

Indoor color camera with day/night super high resolution video sensor, infrared sensitivity, auto-iris control technology, digital signal processing chipset (DSP), and a flexible power input with non-polarity specific plug. Designed to accept C- or CS-mount lenses (lens not included).



### Power On LED

Red LED indicator is ON when power is available.

### BNC Video Connector

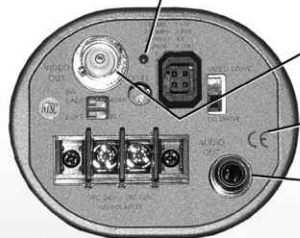
Provides composite video output at 1Vp-p level (nominal), 75 ohm impedance.

### European Conformity Logo

The CE logo indicates the product conforms to the high degree of quality required by the European Union.

### RCA Audio Connector

Optional audio output not available on all models. Provides audio signal at 2Vp-p (nominal), 50 ohm impedance.



### Non-Polarized Power Connector

Power requirement is 12VDC or 24VAC, making installation easy.



### AI/AES Switch

Manual switch for setting either auto-electronic shutter or auto-iris/manual-iris control.



### Backlight Compensation Switch

Backlight compensation is the ability of a camera to compensate in cases where a subject with a large amount of background light would otherwise be obscured by video blooming or silhouetting. This manual switch allows for selecting backlight compensation or turning off compensation entirely. Useful in certain light/environmental conditions.

### Auto-Iris Control Connector

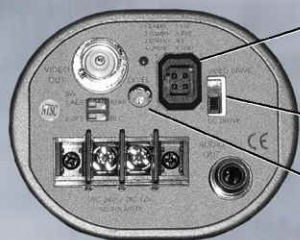
Manual switch for selecting back light compensation or turning off compensation entirely. Useful in certain light/environmental conditions.

### Auto-Iris Control Switch

Set auto-iris control to DC (Direct) or Video.

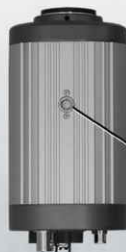
### VR Level Adjustment

Adjustment available for DC drive auto-iris.



## General Specifications

Video Sensor: 1/3" Sony HQ1 IR Sensitive Day/Night Super High Resolution CCD Video Sensor
Horizontal Resolution: 540 TV lines
Effective pixels: NTSC - 768 x 494 (379k), PAL - 752 x 582 (437k)
Scanning System: 2:1 Interlace
Light Level: 0.05 Lux / F1.2 (IR sensitivity for 0.0 Lux imaging)
Video Signal Synchronization: Negative internal
Video Signal Level: 1Vp-p, 75 Ohm impedance
Signal to Noise Ratio: >48dB
Gamma Correction: 0.45
Auto-White Balance: YES
Gain Control: Full Auto-Gain Control (AGC)
Back Light Compensation: YES (on/off manual switch)
Auto Electronic Shutter: 1/60 - 1/100,000 sec. (on/off manual switch)
Auto Iris Control: Video drive lens & DC drive lens support
Audio output: 2Vp-p, 50 Ohm impedance
Built-in IR Cut Filter
Power: 12VDC or 24VAC (installers choice), non-polarity plug 3.2 watts



Top



Side



Bottom

## Physical Specifications

Approx. Dim.: 121mm x 54mm (4.75" x 2.125")

Weight: 400g (14.11oz)

## Environmental Specifications

Operating Temperature: -10 degrees to +50 degrees (C)  
14 degrees to +122 degrees (F)

Storage Temperature: -30 degrees to +60 degrees (C)  
-22 degrees to +140 degrees (F)

Water/Weatherproof Level: none (indoor placement only)