

SCC-641

SMART DOME CAMERA



SUMMARY

The SCC-641 Smart Dome Camera is the first in a line of intelligent, remotely controllable cameras from Samsung Electronics. With 480 TV lines of resolution and a minimum scene illumination of 0.02 lux, the SCC-641 is a very low light color dome. A built-in X22 optical zoom with a X10 digital zoom gives the SCC-641 an enhanced total zoom capability of 220X with a focal length of 3.9 to 79.2mm. Superior white balance circuitry and excellent back light compensation produce high resolution, crisp and clear images.

One important difference with the Samsung Smart Domes is the ability to program not only position and focus on presets, but also the actual video settings for the camera. This enables iris control, shutter speed, negative imaging and all other video controls to be unique for each preset. This feature extends the boundaries of the SCC Series into many other applications

With the addition of the Samsung network equipment, the SCC-641 can be converted into an IP addressable device and can be viewed or controlled remotely via intranet or internet.

Remote control and programming is accomplished via an RS-485 (full or half duplex) network, which allows all cameras in the IC Series to be controlled and communicate. Additional features include motion detection, alarming inputs and outputs on the dome head, auto-flip, guard tour, programmable patterns and up to 128 presets.

FEATURES

- Digital Signal Processing (DSP)
- 1/4" IT Super HAD CCD 410,000 Pixels
- 480 TV Lines of Horizontal Resolution
- Built-In X22 Zoom Lens (F=3.9 ~ 79.2mm), X10 Digital Zoom (Max. X220)
- High Sensitivity With A Minimum Scene Illumination 0.02 lux (Sens Up X128)
- Manual Speed: Pan: 0.8°~ 90°/Sec, 64 Steps, Tilt: 0.8°~ 45°/Sec, 64 Steps
- Preset Speed: Pan (240°/Sec), Tilt (150°/Sec)

- Pan Travel: 360° Continuous
- External Synchronization With Line-Lock
- Motion Detection Function

SPECIFICATIONS

Scanning System: NTSC Standard: 525 Lines, 30 Frames/Sec
Image Device: Interline transfer super HAD CCD, 410,000 Pixels

Image Size: 1/4"

Picture Elements: 811(H) X508 (V): Total Picture Elements

Interlace: 2:1 Interlace

Synchronizing Frequency:

Horizontal: 15,734Hz(INT)/15,750Hz(L/L)

Vertical: 59.94Hz(INT)/60Hz(L/L)

Synchronizing System: Internal/Line-Lock

Resolution: Horizontal: 480 TV lines, Vertical: 350 TV lines

Video Output Level: VBS 1.0 Vp-p (75 Ohms, composite)

S/N Ratio: >50 dB

Min. Scene Illumination: 3 lux (50 IRE) 0.02 lux
(Sens Up X128)

Electronic Sensitivity: Up x128

White Balance: ATW/AWC/Manual

BLC: User Variable Area

Focal Length: 3.9 to 79.2mm

Aperture: F1.6 (Wide), F3.8 (Tele)

Viewing Angle: 3.6mm, 47°.9'(H) x 36°.9'(V) 79.2mm,
2°, 3'(H) x 1°.7'(V)

Manual Pan/Tilt Speed:

Pan: 0.8°~ 90°/sec (64 steps),

Tilt: 0.8°~ 45°/sec 64 steps)

Present Pan/Tilt Speed:

Pan: 240°/sec, maximum,

Tilt: 150°/sec, maximum

Pan/Tilt Travel: Pan: 360° continuous, Tilt: 0°~ 90°

Lens Magnification: Total: x220, Optical: x22, Digital: x10

Programmable Presents/Patterns: 128/3

Input/Output Sockets:

Video Output Connector: BNC (Female)

Remote Control: RS-485 (Half Duplex) / RS-422

Alarm Inputs/Outputs: 4/3

Environmental Conditions:

Operating Temperature: -10° ~ 50°C (14° ~ 122°F)

Operating Humidity: 10% ~ 90% RH

Power Requirement: 24VAC, 60Hz

Power Consumption: 18.0W

Weight: Approx. 2.0kg / 4.4 lbs

Dimensions: 159.6(Ø) x 176(D) mm - 6.26"(Ø) x 6.93"(D)