

540TVL Color / 580TVL B/W TRUE Day/ Night Camera and Outdoor Environmental Housing Kit



A-CC540TDN-AI



A-CK540HB

Product Summary

The A-CC540TDN-AI is a 540TVL color, 580TVL black and white True Day/Night camera offered in a robust metal housing suitable for indoor applications. The camera features the 1/3" SONY Super HAD CCD with advanced DSP technology. Advanced On-Screen Display (OSD) capabilities permit auto and manual white balance modes, selectable BLC Zones, BLC size and level adjust, Day/Night selections, 4-point Privacy Zone, CRL (color rolling control) and video image mirroring (right/left reverse).

The True Day/Night capability employs an Infrared Cut Filter Removal (ICR) circuit that removes the IR filter from the optical path increasing the sensitivity of the camera (0.04 lux).

The camera features a 3.5 ~ 8.0mm varifocal DC auto-iris lens for use in all indoor/outdoor lighting applications and the back focus adjustment control is quick and easy.

The camera allows video connection using a standard BNC video connector or the ADT RJ-11 video/power connector (use only one video output). The camera is powered by 24VAC or 12VDC using easy-connect Class 2 wiring with push-pin terminals or 15VDC using the RJ-11 connector.

A 60-ft camera to monitor Video/Audio cable and a 1/4" X 20 camera mount is included with each unit.

The A-CK540HB series weatherproof environmental housing kit provides protection from all weather conditions. The unit measures 12.5 inches in length and features the high-resolution A-CC540TDN camera with a 5-50mm varifocal DC auto iris lens. A 24V ac heater and blower are provided for protection from extreme weather conditions. The kit includes the A-CS161 light duty wall mount bracket, 100' of camera cable, 100' of 18 AWG power cable and a 120V/24V ac power adapter for the heater/blower assembly.

Optional mounts and mount accessories are available, including the A-CM150 corner adapter and the A-CM151 pole mount bracket.

Camera Features:

- 1/3" SONY Super HAD CCD
- High -Resolution 540TVL (color) or 580TVL (B/W) camera
- True Day/Night (ICR) operation
- 3.5~8.0mm varifocal DC auto-iris lens for a wide range of installation applications
- Standard CS-mount lens attachment
- OSD (on-screen display)
- Auto/Manual White Balance
- Selectable BLC Zone
- 4-Point Privacy Zone
- Video Mirror Function
- 1/60 ~ 1/100,000 sec. internal electronic iris function or optional auto-iris lens
- Video or DC type auto-iris CS-mount lens compatible
- Camera mount for most wall and ceiling installations included
- 60-ft of Video/Audio cable with modular 6-pin connector included
- 24VAC / 12VDC / RJ-11 (15VDC)

Outdoor Housing Kit Features:

- Weatherproof environmental housing with integrated heater/blower protects camera from all outdoor elements.
- High-Resolution 540TVL (color) or 580TVL (B/W) camera with 5.0~50mm vari-focal dc auto iris lens
- Clear front window does not affect light-level performance of camera
- Wall mount (CS161) is included
- Includes 100-ft RJ 11 camera cable and 18 AWG power cable
- Optional ceiling, corner or pole mounting

Ordering Guide:

| SCN# | Item |
|----------------------|---|
| A-CC540TDN-AI | 1/3" CCD High-Res 540TVL True Day / Night Color camera with 3.5~8.0mm vari-focal, auto iris lens |
| A-CK540HB | Outdoor housing w/heater & blower and 540TVL True Day/Night Color camera with 5.0~50mm vari-focal, auto iris lens |



Camera Specifications

Image Sensor

1/3" SONY Super-HAD CCD

Pixels

811(H) X 508 (V) Pixels

Resolution

B&W: 580 TVL

Color: 540 TVL

Minimum Illumination

B&W: 0.04 lux 50 IRE (F1.2)

Color: 0.5 lux 50 IRE (F1.2)

Scanning System

2:1 Interlace

Scan Frequency

15.734KHz (H) x 59.94Hz(V)

Sync System

Internal / Line Lock

Electronic Shutter

1/60 ~ 1/100,000 sec.

Video Output

1.0Vpp (75-ohm, composite)

S/N Ratio

> 50dB (AGC OFF)

Camera Control

Tactile Switch (camera rear: L/R/U/D/Enter)

Selectable Functions

| | |
|---------------|---------------------------------------|
| Auto Exposure | Auto / Manual Shutter / Flickerless |
| White Balance | ATW / AWB / Indoor / Outdoor / Manual |
| Lens | Manual / DC / Video |
| AGC Control | ON/ OFF (31dB max) |
| Shutter Speed | 1/60 ~ 1/100,000 (9 modes) |
| BLC | ON / OFF (Selectable BLC Zone) |
| Contour | High / Normal |
| Color Roll | ON / OFF |
| Privacy Zone | ON (4 points) / OFF |
| D/N Control | Auto / Color / B/W |
| Camera Title | A ~ Z / 0 ~ 9 |
| Display | Display mode selection (ON/OFF) |
| Effect | Nega / Posi, Mirror, Gamma |
| Preset | Default / Save & Exit / Exit |

Lens (CS-mount)

3.5~8.0mm varifocal auto-iris

Camera Mount

1/4"- 20 UNC (case top/bottom)

Connectors

BNC x 1
RJ-11 x 1
Push-Terminal x 2 (class 2 wiring)
Auto-iris x 1 (4-pin mini-din)
2.6" x 2.2" x 4.7"
66mm x 56mm x 120mm
0.6lbs (0.27kg)
+14°F ~ +104°F (-10°C ~ +40°C)
0 ~ 96% (non-condensing)
24VAC (Push-terminal)
12VDC (Push-terminal)
15VDC (RJ-11)
3.5 Watts

Dimensions

(W x H x D)

Weight

Operating Temperature

Operating Humidity

Voltage

Power

Outdoor Housing Kit Specifications

Camera

Same as above except lens

Lens

5.0~50mm Varifocal Auto Iris

Dimensions

4.78" x 3.68" x 12.50"

Operating Temperature

-45°C ~ +50°C (-49°F ~ +122°F)

Temperature Activation

Heater On: 42-58°F

Heater Off: 72-88°F

Blower On: 77-93°F

Blower Off: 62-78°F

Power Consumption

Heater: 0-30 watts

Blower: 0-8 watts

Cables Supplied

Camera: 100', A-A30C

Power Supply: 100', 18 AWG, 2-cond.

Power Supply

24 VAC 40 VA (RT2440SL)

Optional Accessories

| | |
|------------------------|---|
| A-A18C | 60' Camera cable with RJ-11 connectors |
| A-A30C | 100' Camera cable with RJ-11 connectors |
| A-A60C | 200' Camera cable with RJ-11 connectors |
| A-A90C | 300' Camera cable with RJ-11 connectors |
| A-LA800 | Line Amplifier |
| A-LTV10Z0516GCS | 5-60mm varifocal, DC auto-iris lens |
| A-LTV2Z3514GCS | 3.3-8mm varifocal, DC auto-iris lens |
| A-CM150 | Corner mount for CS161 bracket |
| A-CM151 | Pole mount for CS161 bracket |
| A-CS164A | Pole mount "J" style |
| A-CH808M | 12.5" Long Environmental Housing |
| SCV2812ASIR | 2.8~12mm VF, DC AI, aspherical IR |
| SCV5501DC | 5~50mm, FG, DC AI |

CAMERA OVERVIEW

