

ACC484TP(X)

1/3" HIGH RESOLUTION FULL-FEATURED COLOR CAMERA

Honeywell Video's ACC484TP 1/3-inch CCD high resolution color camera is the premier choice for any surveillance application. Part of Honeywell Video's Systems Series high-end cameras, the sophisticated ACC484TP is one of the first to incorporate Sony's new CCD chip technology, which delivers superior sensitivity, greater dynamic range, and reduced smear to satisfy even the most stringent viewing requirements. The ACC484TP features a high resolution of 490 TV lines and Digital Signal Processing (DSP) for clean, sharp images.

Adaptable to varying light levels, the ACC484TP features a high sensitivity of 0.7 lux @ F1.2 and eight user-selectable BLC windows providing the flexibility to view high contrast scenes from almost any angle. The camera features peak white inversion, which reduces bright glaring light from a scene (e.g. removes the glare from a car's headlights for license plate identification).

The ACC484TP is digital-ready. Ideal for use with today's digital video recorders including Honeywell Video's Rapid Eye Multi, or AVDR Series Digital Video Recorders, the ACC484TP features a Discrete Cosine Transformation (DCT) switch which significantly reduces noise in low light scenes, thereby increasing the number of recording days by as much as 50%. This eliminates the need to purchase additional storage capacity.

The ACC484TP camera can be installed using conventional coax, or, unshielded twisted pair (UTP) with its built-in NVT transceiver. UTP provides the ultimate in flexibility, and offers a significant advantage in labor and material savings. The ACC484TP mounts quickly and easily using the camera's built-in 1/4" UNC-20 top or bottom-mounting receptacles. Installers can backfocus the camera using its convenient thumbwheel—no tools are necessary. The camera features a switching power supply that enables multiple cameras to be connected to a 24VAC or 12VDC source.

The ACC484TP is part of Honeywell Video's Systems Series – products deliver increased flexibility, superior performance, and advanced technologies for today's most demanding applications.

Features:

- 1/3" interline transfer CCD
- Coax or Unshielded Twisted Pair video transmission
- Discrete Cosine Transformation Switch (DCT)
- Backlight compensation (8 windows)
- 490 lines horizontal resolution
- High sensitivity- 0.7 lux @ F1.2, 50 IRE
- Adjustable Peak/Avg. for DD lenses.
- SPS 12VDC/24VAC
- Tool-less back focus
- AGC (on/off)
- CS or C mount
- Supports DD or video drive auto iris lenses
- Built in mounting receptacle (top or bottom)
- Power LED (on/off)



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FEATURES

Powerful new features offer exceptional performance for both standard and complex lighting conditions:

Cost Savings and Flexibility

The new ACC484TP is designed for two methods of video transmission—Coax and Unshielded Twisted Pair.* Built-in Unshielded Twisted Pair transceivers provide a significant advantage in labor/material savings on installations.

With UTP...

- Wire runs can be made more quickly and easily
- Easily connects to Category 5 cable that may already exist in a facility, reducing long wire runs through ceilings or walls
- Four cameras can be installed with one wire run of Category 5 (two pair of four)
- Power and video on the same bundle with wire runs up to 300 feet
- Offers interference immunity to cables on the same bundle, fluorescent lights, transformers, motors and RF transmitters
- Wire runs over a mile with an active receiver/transmitter

*Honeywell Video only guarantees optimal video when used with NVT manufactured products.

Discrete Cosine Transformation (DCT)

The ACC484TP is ideal for use with Digital Video Recorders. Unlike conventional CCD cameras, the ACC484TP features a Discrete Cosine Transformation (DCT) switch, that, when activated, reduces noise in low light levels. Reducing noise in a scene can increase the amount of recording days by over 50% without having to expand the memory in a system.

See "controls and switches" diagram on facing page

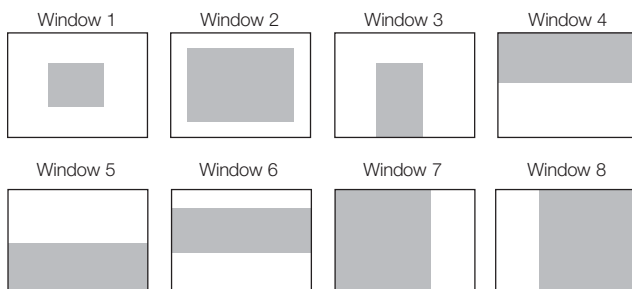
Back Light Compensation (BLC)

Provides eight different variations of BLC windows for extended application use. Its ability to handle most high contrast scenes allows for a seamless install with optimal picture quality.



Before

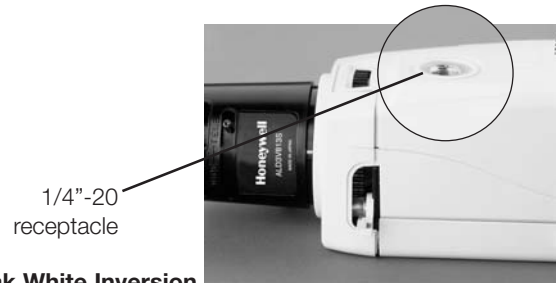
After



■ Indicates area used to calculate the exposure

Built in female mounting receptacle

The ACC484TP can be mounted quickly and easily with the built-in mounting receptacles. The camera can be mounted from the top or bottom without having to remove a sled.



Peak White Inversion

The ACC484TP features a Peak White Inversion switch that reduces bright glaring light from a scene. For example, the camera will remove any glare produced by automobile headlights so that its license plate number can be identified.



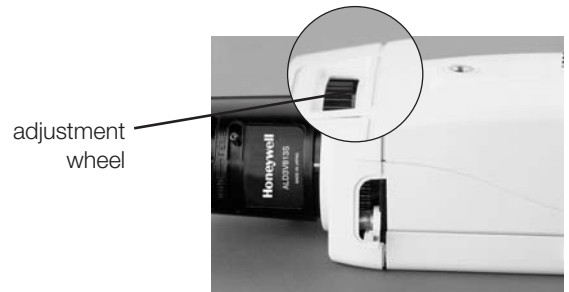
Before



After

Back Focus Adjustments

Back focusing is seamless. By turning the convenient built-in thumbwheel, the installer can adjust the camera for optimal focus, quickly and easily. This adjustment requires no tools.



Sharpness/Aperture On/Off Switch

This feature increases the sharpness of the scene by increasing the aperture correction which emphasizes the edges of the objects in the scene.

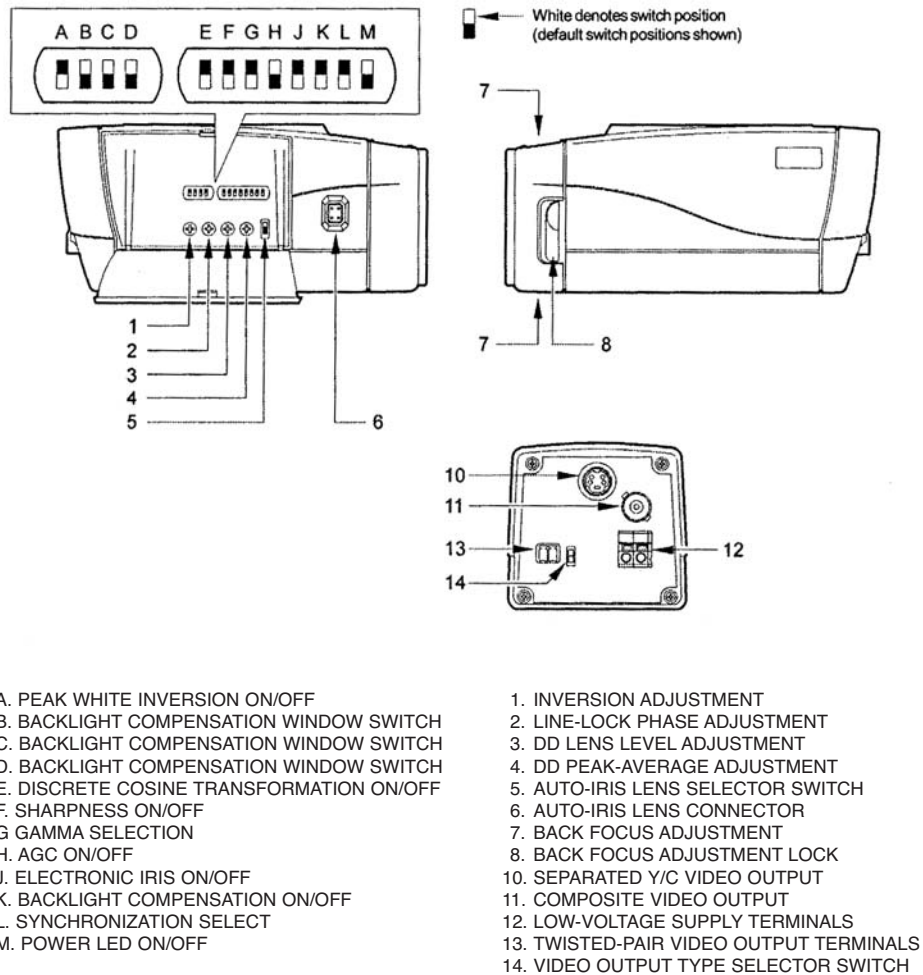
See "controls and switches" diagram on facing page.

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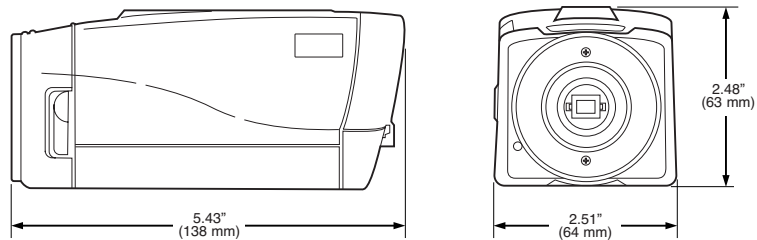
FEATURES CONTINUED

Features/Controls

Easily accessible controls make set-up and adjustments quick and easy.



Dimensions



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SPECIFICATIONS

Operational	
Image Sensor:	1/3" Sony CCD, (features new CCD chipset)
Effective Pixels:	768 (H) 492(V) NTSC, 752 (H) x 582 (V) PAL
Sensitivity:	0.7 lux, 50 IRE with F1.2 lens and 80% scene reflectance
Resolution:	490 TVL
Signal to Noise Ratio:	48dB (AGC Off)
Peak White Iversion:	Adjustable
Discrete Cosine Transformation Switch (DCT):	On/Off selectable
Sharpness Aperature:	On/Off selectable
AGC:	On/Off selectable
Auto Electronic Iris:	NTSC 1/60 - 1/100,000 second, PAL 1/50- 1/100,000 second
Backlight Compensation:	8 user selectable windows
Sync System:	Internal/Line Lock
Adjustable V-Phase:	Adjustable line-lock vertical phase 0 120°
Level Adjustment:	DD lens level adjustment, peak or average
Gamma:	0.45/0.8 switchable
Power LED:	On/Off selectable
Lens Options	
Manual:	C or CS mount, (1/3"or larger)
Video Iris/Auto Iris:	4-pin square type socket on the side of the camera can be wired for video lenses
DD Iris:	4-pin square type socket can be connected to side port
Electrical	
Power Supply Switching:	24VAC (20-29) 12VDC (11-28)
Internal Power Isolation:	Internal Power Transformer
Power Consumption:	<5 watts

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SPECIFICATIONS

Mechanical	
Lens Mount:	C or CS
Camera Mount:	1/4"-20 female thread built into camera body (top & bottom)
Dimensions:	2.51" (W) x 2.48" (H) x 5.43" (D) 64mm x 63mm x 138mm
Weight:	0.66 lbs (.3kg)
Color:	Cool Gray
Environmental	
Operating Temperature:	14° to 140° F (-10° to 60° C)
Operating Humidity:	20% to 80% relative humidity, non condensing
Storage Temperature:	14° to 158° F (-10° to 70° C)
Video Output	
	1 Vp-p, 75 ohms
	Unshielded Twisted Pair (UTP)
Regulatory	
Safety:	UL: UL2044, CE: EN60950
FCC:	Part 15
Emissions:	EN: 55022: Class B
EMC Immunity:	EN50130-4

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SPECIFICATIONS:

Ordering	
ACC484TP:	1/3" High Resolution Full-Featured DSP Color Camera 12VDC/24VAC, NTSC
ACC484TPX:	1/3" High Resolution Full-Featured DSP Color Camera 12VDC/24VAC, PAL

NOTE: Honeywell reserves the right, without notification, to make changes in product design or specifications.