HTC70 Series

DAY/NIGHT IR ILLUMINATED MOBILE CAMERA

The mobile environment demands the ability to identify individuals, actions or behaviors regardless of the circumstance, time of day or event. It is critical that images are captured with clarity to enable the identification of the person and/or the event. The HTC70 Series mobile camera offers images that are precise and high quality during the brightest day and the darkest night.

The HTC70 Series mobile camera with built-in IR illumination get perfectly exposed pictures, no matter what the light conditions. As the ambient light drops below a certain point, the camera switches from color to black and white and turns on the IR LEDs. The IR illuminator improves image capture in low light, even in complete darkness, to make sure nothing escapes this camera.

Market Opportunities

With the video industry transitioning from analog to digital, the HTC70 Series mobile camera is capable of providing the necessary images for both analog and digital systems. For companies seeking to explore the new digital video environment or migrating from analog to digital, the HTC70 Series provides a flexible option when using either VCR or digital recorder (HTDR100 Series) technology. The HTC70 Series mobile camera is compact in design, which allows for easy mobility/placement in and around the vehicle. The HTC70 is used for a wide variety of passenger and other types of vehicles.

Features

- Day/Night camera captures images in all lighting conditions (even complete darkness)

- Optimized audio bandwidth

- Lightweight, compact design

- Easy to install (comes fully assembled, pre-wired and pre-focused)

- Eight built-in infrared illuminators

- Swivel mount bracket for quick and easy pan/tilt camera adjustment (Mount bracket part # HTC70SBK is not included with camera)

- Compact design mounts on any flat surface, including a ceiling or bulkhead

- Compatible with:

  - HTRD100 Mobile Digital Video Recorder Series
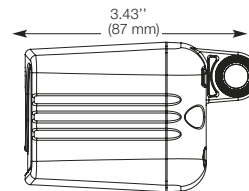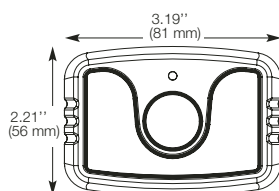
  - HTR62 Mobile Video Cassette Recorder

SPECIFICATIONS

Operational

Video Standard	NTSC
Scanning System	525/60 lines (NTSC)
Image Sensor	1/3" Sony CCD color image sensor
Number of Pixels (H x V)	512 x 492
Minimum Illumination	0.0 lux (IR assisted) Automatically switches from Color to B/W @ 4.0 lux
IR LEDs	8 LEDs
IR Sensitivity	850 nm
Horizontal Resolution	350 TV lines
Video Output	1 Vp-p @ 75 Ohms
Sync System	12 VDC internal
S/N Ratio	Better than 50 dB
AGC Control	Auto (4-26 dB max)
Automatic Electronic Iris	1/60 to 1/100,000 seconds
White Balance	ATW
BLC	Auto (central window)
Lens Type	Fixed lens with auto iris
Audio Output	600 Ohms impedance
Audio Frequency Response	500 Hz to 7.5 kHz, -3 dB bandwidth optimized to eliminate unwanted noise interference
Audio Sensitivity	1 Vp-p: 55 dB SPL @ 10 ft. (3.05 m) speech level audio

Electrical

Input Voltage	12 VDC
Input Range	10 – 16 VDC regulated
Surge Suppression	1.5 kW transient
Power Consumption	1.1 W Color no IR Illuminators 1.8 W B/W w/ IR Illuminators

Mechanical

Dimensions (W x H x D)	3.19" x 2.21" x 3.43" (81.0 mm x 56.0 mm x 87.0 mm)
Weight	0.4 lbs (168 g) (without cables)
Construction	Housing: Polycarbonate Window: Scratch-resistant acrylic Finish: Matte Yellow/Gray
Connectors	Video Output: RCA Audio Output: RCA Power Input: Barrel 2.1 mm

Environmental

Temperature	Operating: -13°F to +122°F (-25°C to +50°C) Storage: -31°F to +140°F (-35°C to +60°C)

Regulatory

Emissions	FCC: Part 15, Class B CE: EN 55022
Immunity	CE: EN 50130-4
Safety	EU: 73/23/EEC LVD

Accessories

Camera Cables

HTC70SBADIK	Camera Cable Kit: Includes HTC70CBL20, HTC70SBK, and 20 ft vehicle interface cable for HTR62 and HTRD100 Series Recorder
HTC70CBL20	Camera Cable 20 feet
HTC70CBL60	Camera Cable 60 feet
HTC70SBK	Camera Bracket
HTC70CBLRFK	HTC70 to C20 Cable Adapter: Convert existing C20 camera wiring to HTC70 Camera

Compatible Recorders

HTR62	Mobile VCR
HTRD100	Single Channel Mobile Digital Recorder

Field of View	3.6 mm	6.0 mm	8.0 mm
Horizontal	74°	42°	32°
Vertical	55°	32°	24°

3.19'' (81 mm)

2.21'' (56 mm)

3.43'' (87 mm)

Ordering

HTC70 M 1 080

Microphone Options
M Microphone (audio)

Lens Options
036 3.6 mm
060 6.0 mm
080 8.0 mm

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

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