



CD3
Video Security

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TV-DN270 Information



TV-DN270 DSP (digital signal processing) CCD "Day/ Night" POWER ZOOM camera with new Sony® WDR Wide Dynamic Range high resolution image sensor. Built-in power zoom 27x optical lens (+ 10X digital zoom magnification included). This unit is 'plug & play' compatible with ALL of our recorders (DVR and VCR) and wireless equipment. It's also compatible with all consumer VCRs as well as most television sets (those with standard composite RCA / BNC or even S-video inputs).

Profile:

What an amazingly crisp high resolution camera! This is the new installer's choice for all kinds of stationary video applications. With the newly revised high resolution Sony Wide Dynamic imager - this features unbeaten picture quality and features to similar size / type cameras.

Unlike many of our auto-sensing "day-night" cameras which can change image between color and black & white seamlessly and instantly- this particular camera has a mechanical iris function which, when activated- results in a brief pause where screen goes blank before reverting to monochrome. In this super low-lux mode (which also works great with infrared IR lighting).

This camera is technically a 1/4" image sensor , which usually is a caution for an inferior image sensor to 1/3". However, forget about that aspect with this one. Our TV-C270 /DN-270 units image at what most visually consider 'broadcast quality' video.

We carry ONLY the LATEST and BEST in CCTV chipset technology and circuit board engineering (both aspects are critical to produce a high quality CCD camera)! Too many in our industry are still liquidating 'antiques' on an unsuspecting public, often even unaware themselves that better technology exists.

Common Applications:

- Residential and commercial high resolution indoor & outdoor* (*w/ certified weatherproof housing) security
- General video applications where a high quality camera is needed for a variety of focal views
- Commercial security where an operator can have dynamic control of camera
- Remote video applications for external camera controls through networked or wireless data transfer
- Solutions to applications in which bright light is available in daytime but conditions are much more dimly lit
- Used in conjunction with common IR infrared lighting solutions
- OEM & scientific / machine industrial purposes

Available Options:

Handheld wired remote control with 115' cable & threaded mount interface included FREE with each #TVDN-220 ordered.

Special 'cutaway' cable included free. This cable allows user to access the configured controls for certain specialized remote purposes.

DELUXE 7 piece bonus accessory kit included FREE with each camera ordered! (\$60+ value) Features 25 ft. video + power cable which can be upgraded to 50', 100' or even 150' in your choice of black or white color!

*Optional remote control with short 6' cable available. Please contact us or simply tell operator when ordering for free substitution of shorter cable.

Variations / Alternate Equipment to Consider:

We also carry a special color-only version of this camera #TV-C270 which is physically identical and actually provides AMAZING low-light color ability for many types of lower lux applications.

For the ultimate in versatility and performance, we also carry a special remote PTZ (pan tilt zoom) weatherproof dome version of this camera #TVDN-PTZ which gives user the ability to remotely control the up/ down and side-to-side position of the camera- as well as zoom and detail focus adjustment from a single handheld remote control or optional keyboard with joystick.

Cautions:

This is a non-weatherproof camera, and must be properly protected in a special outdoor housing for outside mounts.

TV-DN270 Technical Specifications

Image Sensor	Dual Color / Monochrome High Resolution Sony 1/4" Wide Dynamic Range DSP CCD
Resolution (TV Lines)	480 horizontal TV lines in color, (do not confuse with scanning lines/res.)
Effective Pixels	(NTSC): 768(H) x 494(V) pixels
Total Pixels	(NTSC): 811(H) x 508(V) pixels
Scanning System	2 : 1 interlace
Signal System	60 Hz
S/N (signal to noise) Ratio	More than 45 dB (AGC off)
Gamma Correction	$d = 0.45$
Electronic Shutter	1/60 ~ 1/100,000 sec. automatic
Back Light Compensation (BLC)	Adjustable / Automatic and built-in
Automatic Gain Control (AGC)	Automatic([0 ~30dB]/41)dB and built-in
White Balance Control (WBC)	Adjustable / Automatic(2,100 degree~8,000d (degree K) and built-in
Low Light Sensitivity (lux)	0.003 lux (beware of this technical specification...)
Standard Lens	270x (27x optical [3.9 ~ 85.8mm]/10x digital) power zoom lens
Lens Aperture	F1.6 ~ 3.7
Field of View (with std. lens)	depends on focal length setting
Video Output Type	Composite 1 Vp-p @ 75 ohms unbalanced OR S-Video
Video Output Plug	BNC (connects easily to RCA with included adapter) OR S-Video
Input Voltage	12~ 14.5 volts DC center pin + positive
Power Consumption (milliamps)	400mA or less
Power Input Plug	2.1mm inner diam. x 5.5mm outer diam.center pin + positive
Dimensions	4.5" x 2.3" x 2.2" / 115mm x 59mm x 56mm
Weight	12oz. / 340.7g
Cord Length	115' / 35 meters
Operating Temperature	-10° C ~ +40° C
Storage Temperature	-20° C ~ +60° C
Warranty	one year
*Additional Features	free camera accessory package for plug 'n' play use (ACC-PKG), includes free 115 / 35 m wired zoom remote controller, near broadcast quality resolution, on-screen menu with adjustable image quality and mirror mode operation
*Options Available	Color-only model available (TV-C270)
*Optional Lenses Available	integrated motorized lens- no additional lenses available