



Technology Update on Super Dynamic - III



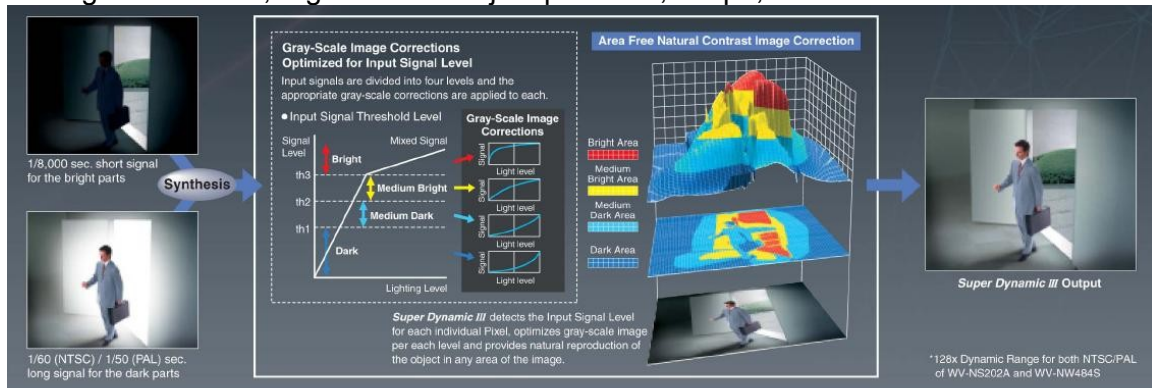
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ADI India has launched Panasonic CCTV Products and thanks to the Industry for providing a good response. We now bring to you a Technology update on Super Dynamic –III.

Panasonic introduces the Super Dynamic III Series, Surveillance Cameras able to think and act on their own. They detect both external changes as well as interference and take the precise action required to prevent the loss of vital scenes. Superb image quality, the result of unprecedented image-processing performance, delivers a true picture needed for rock solid identification. With their extraordinary intelligence and active foresight, SD III Cameras bring amazing reality to 24-Hour Surveillance.

Leading Technologies behind Super Dynamic III

Pixel based 160x (PAL)/ 128x (NTSC) Dynamic Range – The Double-Speed CCD outputs a 1/8,000 second short signal to capture the bright area of the image and a 1/50 (PAL)/ 1/60 (NTSC) second long signal to capture the shaded area. The enhanced DSP combines the signal to provide Dynamic Range of 160 (PAL)/ 128 (NTSC) times greater than a standard video camera. Also newly developed in the DSP is “Area Free (Pixel Based) Natural Contrast Image Correction”, which optimizes the gray scale image in response to the input signal level of each individual pixel. The pixel based Dynamic range delivers a smoother natural reproduction of high contrast images, e.g. heavy backlight conditions, regardless of object positions, shape, size or number.



Intelligent Processing – Newly developed DSP extracts Motion Vector, Motion Area, Edge/Frame difference image sampling data from the image and sends that Data to the new image algorithm. The Algorithm is embedded in the proprietary microprocessor that performs the complex processing required by Super Dynamic III’s amazing intelligent functions.

Whatever the object – SD III uses Area Free Natural Contrast Image Correction to optimize contrast and faithfully reproduce objects in every area and position. Combining 1/8,000 and 1/50 sec shutter speed signals gives this amazing system a 160x (PAL) Dynamic Range that makes it the perfect surveillance solution for ATM, building entrances, and other situations where contrast changes depending on time, weather and season.

Real in Smallest Detail – The combination of optimized filtering with wide bandwidth digital signal processing developed for the Super Dynamic III DSP delivers color images with 540 lines (typical) and B/W images with 570 lines of horizontal resolution, revealing the pictures smallest detail.



With No Streaking – The combination of 2D DNR processing for the moving object with 3D DNR for the background corrects movement – generated streaking. Now even the headlights of the moving cars can be seen clearly, unmarred by the streaks of light produced by previous 3D DNR object-image processing.

Detecting Interference – This feature detects interference and sends an alarm signal when the camera's operation has been hampered with, such as a manual change in the camera's angle, removal of the camera lens, defocus, blockage of the camera lens with cloth or paint.

Automatically Follows Moving Objects (Auto Tracking) – This feature automatically follows the largest movement in the image, causing the camera to pan and tilt to keep the object in the center of the image.

The WV-CW970 Series adds a new Template Matching algorithm that compares the recorded image with template color, shape and contrast settings. Use of templates to compare moving objects with other characteristics of the scene enables more accurate tracking. Plus, the operator can lock the camera onto a particular object by pressing a single button on the optional system controller.

Super Dynamic III Analog Cameras – WV-CP480 Series, WV-CW480 Series, WV-CS950 Series, WV-CW960/970 Series

Super Dynamic III Network Cameras – WV-NS202A, WV-NS484S

Customers interested in these Products also bought – XProtect Professional, XProtect Enterprise from Milestone.

“Please note that features of all models differ and for complete details please refer the individual datasheets of the products;” To download the datasheet of this product and other IP products, please visit our Website www.adi-india.com and register as an ADI Customer today.

For more details and enquiries on the Panasonic CCTV products, please get in touch with our ADI Product Marketing Manager Mr. Anurag Manocha at 9717004684 (Anurag.Manocha@adi-intl.com) or write to us adi.india@adi-intl.com

