HD 1080P CCTV

Discover a Whole New World

FULL HD (1080P) CCTV, it is all about the details...

See Product in Action

HD CCTV Overview

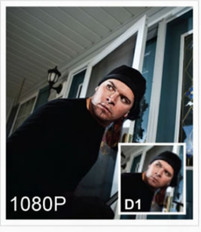
The technology commonly called HD CCTV implements SMPTE HD-SDI standards from television broadcast technology and can transmit video at 720p or 1080p resolution over RG59 cable to a distance of at least 100 meters.
HD CCTV offers the benefit of 2 worlds, providing high-resolution (megapixel) video, over conventional analog coaxial cables, favored by CCTV installers around the world.
PROVISION-ISR HD CCTV cameras offer a standard resolution of 1080P (1920 x 1080), equivalent to 2.1 megapixels. 1080P provides over 24 times higher resolution compared with CIF and 6 time higher resolution that D1!

- While Analogue cameras continue to improve, it still subject to the limitations of the PAL/NTSC TV format, adopting a new HD standard enable pushing video resolution beyond 700TV and offering HD quality CCTV
- HD CCTV is designed to be a drop-in replacement for existing analog CCTV, requiring only a change of camera and DVR. Both New and existing installations can use CCTV industry standard coaxial cable (RG/59, RG/6 and RG/11)

HD CCTV Main Advantage:

HD CCTV is a digital transmission of uncompressed HD video over coax cable

HD video: true 1080P or 720P HD video quality
Perfect clarity with no analogue noise
Uncompressed- nearly zero latency and no compression artifacts
Coax cable: immune to network failure
Easy Upgrade: using same infrastructure as analog system, just replace camera and DVR
Familiar User Interface: for the installer/operator, no difference between CCTV and HD CCTV except for higher resolution
Unified standards



The Benefits of HD CCTV vs IP Cameras

Unlike IP cameras at HD-SDI cameras the video compression is not done by the camera itself.
Video transmitted by camera is uncompressed (HD-SDI, 1.45 Gbit/Sec) and is not encapsulated into TCP/IP (broken into packets).

As a result the camera can be plugged into DVRs and video can be displayed almost without latency and with zero configurations! Furthermore. HD-SDI technology is immune to network environment interference.
More significant than the latency resulted in IP cameras is the artifacts caused by activity in the network itself. Even in network environments which are dedicated to surveillance IP cameras, video can exhibit unpredictable behavior due to the number of cameras and the volume of activity. HD-SDI technology is immune to these kind of interference and ensures the video quality.

Unified standards; Since HD-CCTV adopts unified video transmission standards (HD-SDI),every HD CCTV camera can easily be connected with any HD-SDI DVR- just like in today's analog CCTV world. The IP industry is still struggling to unite under one standard

which will allow all cameras can be integrated with recording devices and software. The ONVIF standard is indeed becoming more and more important but it is still far from being a fully open standard. A&S International Buyer's Guide 2011 states that: "ONVIF at the moment limits live viewing directly from the camera" and that "replay and retrieving video from where it's recorded will (only) be addressed in the future." "So while the end user or costumer expect an ONVIF camera to work directly, they will be disappointed"

Provision-ISR HD Cameras

20 meter IR,
Outdoor Vari-focal

40 meter IR,
Outdoor Vari-focal

HD-SDI (1080P) IR type Camera

Provision-ISR's HD-SDI cameras present a totally new standard in surveillance monitoring and provide a full HD (1080P) image resolution with clarity on a level you have never imagined possible.
In addition to superior image quality, Provision-ISR HD-SDI cameras implement the latest video processing technology and provide exceptionally advanced features including: Digital image balancing- delivering accurate picture in all light conditions, WDR capabilities, Privacy masking, image effects and more Due to true day& night functionality (ICR), DSS (Digital slow shutter), Advanced 3D-DNR (noise reduction) and Smart IR technology all cameras provide an excellent night performance.
Provision-ISR's HD-SDI cameras designed to be installer friendly, all equipped with "Service video output", external lens adjustment and led status indicator.

Key Features

1/3" Panasonic CMOS sensor	True WDR (at 15fps)
Output: Digital - HD-SDI 1920x1080p / 30fps	D-WDR/BLC/HLC
Service Analog- 700TV	Privacy Mask
Mega-Pixel 2.8-10mm Vari-focal lens	Intelligent Motion detection
True Day&Night- ICR	Smart IR
Min.Illumination: 0.00Lux(IR LED On)	Image Mirror/Freeze/Digital Zoom
DSS(Digital Slow Shutter)	DC12V/AC24V
DNR (Digital Noise Reduction, 2D+3D)	IP66

HD-SDI (1080P) Box type Camera Key Features

1/3" Panasonic CMOS sensor
Output: Digital - HD-SDI 1920x1080p / 30fps
True Day&Night- ICR
Min.Illumination: 0.01 Lux
DSS(Digital Slow Shutter)
DNR (Digital Noise Reduction, 2D+3D)
D-WDR/BLC/HLC
Privacy Mask & intelligent Motion detection
Image Mirror/Freeze/Digital Zoom
DC12V

Provision-ISR HD DVR

Our HD-SDI DVR, SA-8800, was specially designed to provide installers and customers with an easy entry point to the world of HD CCTV.It provides, in one chassis both D1 ports (4Channels) and full HD 1080 ports (4 channels) allowing you to upgrade your traditional analog CCTV system to Full HD at your convenience, Cameras monitoring a sensitive spot can be replaced first while existing cameras will not require change or adjustment.
HD-SDI technology uses the same infrastructure as you existing analog installation allowing you to replace your exiting cameras and DVR in very little time and with zero configuration.
Provision-ISR HD DVRs are equipped with powerful CPU core technology to enable processing of 4 real-time channels at full HD (1080P) & 4 real-time channels at D1.
Our DVR operates with H.264 main profile compression format and advanced industry SOC technics to ensure real time recording in each channel and outstanding stability of the system.

Real-Time HD-SDI DVR

Key Features

8Ch Real-Time recording:
4Ch HD-SDI + 4Ch D1
Compression standard- H.264
Output- HDMI, VGA and Loop out
Audio- 4Ch input, 1 Ch output (2 way audio)
HDD - x4 SATA, x2 eSATA
Alarm- x8 input, x4 output
PTZ support
Browser supported- IE,Safari,Chrome and fire fox
Mobile/Tablet- iPhone, iPad, Blackberry,Windows mobiles and all Android devices