

Hikvision's Third-Generation Turbo HD brings 4K Video to Analog Systems

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Now with higher video performance, increased compression efficiency, longer transmission distances and Power over Coax technology while retaining seamless compatibility with existing analog and network IP cameras from most manufacturers



March 24th, 2016 Analog CCTV users can now enjoy 5MP HDTV and 4K video resolution while safeguarding their investment with existing cabling infrastructure. Hikvision is launching its third-generation analog HD solution. Turbo HD 3.0 not only ensures higher video performance with up to 5MP HDTV input and 4K video output but also supports latency-free 1080p HD video up to 800m and HD720p transmission up to 1200m over coaxial cable.





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1080p HD, 5MP HDTVI and 4K video performance

Turbo HD 3.0 retains the ease-of-use of an analog system while offering up to 5MP video and makes high-definition surveillance systems possible without replacing existing cabling or switching to IP cameras. Turbo HD 3.0 uses HDTVI technology, eliminating compatibility issues whenever you have to mix old technology with new products, and making installation simple and cost-effective.

H.264+ compression technology

Hikvision's high-calibre H.264+ compression technology improves encoding efficiency by up to 50% compared to standard H.264, dramatically reducing bitrates while maintaining high transmission quality without losing forensic details. With data costs a high priority for most users, Hikvision's H.264+ reduces memory demands in existing DVRs/NVRs and markedly reduces data storage costs.

Up to 1200m HD transmission via coaxial cable

Hikvision Turbo HD 3.0 technology guarantees up to 1200 meters of high-quality HD720p transmission and up to 800 meters of HD1080p video via coaxial cable, distances unattainable by HD-SDI or conventional analog solutions. The increased transmission distances mean that larger projects can be tackled while existing systems can be extended quickly and easily.





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HIKVISION **TURBO HD 3.0**

Easier installation with Power-over-Coax (PoC)

Hikvision's Power-over-Coax (PoC) feature radically simplifies installation, as one coaxial cable carries both the video signal and the power supply. This translates to reduced installation time, which also translates to a reduction in both installation and material costs! In addition, the Turbo HD 3.0 analog solution supports UTC for remote set-up and configuration and enables control of the OSD menu and PTZ control via coaxial cable, enabling faster camera installation and easier management.

Extensive compatibility with the majority of products from other manufacturers

Hikvision offers a comprehensive range of 1080p and 720p cameras including bullet, turret, and dome types – including PTZ – for indoor and outdoor use. Of note is Hikvision's full range EXIR series with 2MP and 3MP resolution, which excels in superior image clarity in ultra-low light environment. Most feature advanced technologies such as digital noise reduction, ultra-low-light illumination, Smart infrared (IR), motorized varifocal lenses, IP66 rating, and vandal-proof housings. A 5MP fisheye model will be available in the coming Q2.

The Turbo HD 3.0 DVR products are available in 1/1.5/2U sizes, supporting camera input with up to 5MP resolution. The units could fit in different applications from small to large scale with ONVIF-compliant IP cameras supported for necessary system expansion.

Hikvision's advanced, industry-leading manufacturing technologies also ensure that the flexible Turbo HD 3.0 solution offers seamless compatibility with the majority of products from other manufacturers.

