Dinion^{XF} Day/Night Camera Series
See the 15-bit difference

High-performance, smart surveillance cameras

BOSCH
Invented for life

Dinion^XF – the high-performance, smart surveillance camera

- ▶ 15-bit DSP technology – providing the highest picture quality available

- ▶ XF-Dynamic – uses 15-bit technology to extend the dynamic range, maximizing image quality

- ▶ 24/7 coverage – ideal for use day and night, around the clock, guaranteed perfect performance

- ▶ 540 TVL color resolution, for sharper, more detailed images and easy identification

- ▶ Highest sensitivity in all lighting conditions – SensUp frame integration enhances sensitivity up to 10x while relying on ambient moonlight

- ▶ Default shutter – eliminates motion blur and maintains camera sensitivity

- ▶ Programmable backlight compensation – optimizes the area of interest

- ▶ Bilinx – control, configure and update over the video cable

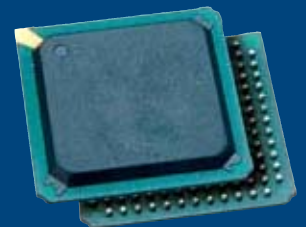Identify passengers at the station with clear, detailed images

Monitor shoppers in a mall

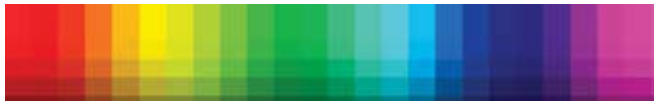## Dinion^XF – the flagship of the Dinion family

The Dinion series from Bosch provides a full range of cameras – from mid-range to highperformance – to meet the most challenging situations. All of the models in the Dinion family share the same unique design, superlative picture quality and ease of installation. Plus, all of the models are built around the same DSP chip technology that makes these cameras perform so well.

The Dinion^XF series is the flagship of the range, and achieves unsurpassed picture performance under even the most difficult light and scene conditions through unique and innovative 15-bit digital video processing. The Dinion^XF features XF-Dynamic, which reveals details that other cameras miss in ultra high-contrast scenes. The camera's many other new image-enhancement features ensure the very best camera performance straight from the box. The Dinion^XF is the natural choice for advanced professional surveillance systems.

15-bit DSP CCTV camera for superb image generation

Thanks to its processing power, the Dinion^{XF} camera can process an image with 15-bit accuracy, where most digital CCTV cameras use 10-bit processing or less. Dinion^{XF} can give you an image that is 32 times better than standard 10-bit cameras. This provides images which are more vivid and true-to-life than any other CCTV camera. You'll see details like you've never seen before, including faces, license plate numbers and more that help you provide better, more efficient security. Until the Dinion^{XF}, this was only possible with expensive, professional broadcast cameras. Bosch proudly brings thistechnology to you, smart and affordable.

10-bit Technology

Dinion^{XF} 15-bit Technology

XF-Dynamic for the ultimate image quality

XF-Dynamic is built on 15-bit processing technology, which extends the dynamic range, maximizing image quality. The unmatched accuracy of the detected CCD signal enables the camera's Digital Signal Processing to display images that reveal details in both the dark and highlighted areas of the scene simultaneously. XF-dynamic can be used with all lens types, including manual iris lenses. Unlike most other cameras, XF-dynamic works with SensUp (frame integration) and the Dinion^{XF} Day/Night camera using IR illumination.

Standard cameras cannot capture all details

XF-Dynamic in action. See all the details.

540 TVL

540 TVL high-resolution optics generate more TV lines than conventional CCTV cameras. That means sharper, more detailed images and easier identification.

Ideal for use day and night, around the clock

The Dinion^XF Day/Night camera is ideally suited for around-the-clock security applications.

▶ Highest picture quality available – see more details with better clarity than ever before

▶ Guaranteed performance around the clock – day and night

▶ Works in almost any lighting – no need to install expensive extra lighting

▶ Evidence you can use – infrared technology provides better images than you get with visible light

▶ View images in low lighting – peer through darkened areas to watch for suspicious activity or potential threats

Outdoor perimeter without IR

Outdoor perimeter with additional IR

Standard camera < 0.5 lux

Dinion^{XF} < 0.5 lux

High sensitivity gives you amazing clarity

Traditional CCTV cameras lose color picture quality when the lighting level drops – when the sun goes down or you turn off the lights at the end of the day. Yet, Dinion^{XF} can continue to deliver first-class color images. The elevated sensitivity in the Dinion^{XF} enhances the contrast in low-light images, and boosts color clarity. Dinion^{XF} makes it perfectly clear which camera is the best for you.

Sharper images, whatever the lighting

Standard camera

Dinion^{XF} with backlight compensation

Dinion^{XF} can handle low light, shadows, and give you unmatched detail.What about scenes that have light – just in the wrong place?

With our programmable backlight compensation feature, Dinion^{XF} ensures you get the best possible images, even in strongly backlit applications. So you can set an inside camera to watch the front entrance, or place a camera behind a cash register and not have to worry about losing details. Dinion^{XF} takes the hassle out of CCTV – you get clear, sharp images no matter what lighting you're dealing with.

Capture runaway details

Normal camera shutter speed

Normal camera – shutter fixed at 1/500s

Dinion^{XF} – Default shutter at 1/500s provides clear details

Dinion^{XF} – Default shutter at 1/500s captures highway movement even in low light

Some details are just hard to capture. Moving targets, such as license plates, are challenges that most cameras can't meet.

Not Dinion^{XF}. We designed our default shutter that combines the advantages of a faster shutter to capture movement with those of a standard shutter to grab detail and sensitivity. The result?

No blurring – every digitally recorded image is crisp and clear. No more guessing what car just whizzed by or who dashed out the door – you'll have all the detail you need to know for sure!

So easy to install and operate

Dinion^{XF} is one of the easiest high performance cameras to install, configure, and operate. Three independent modes are pre-programmed Dinion^{XF} operates perfectly – straight from the box. Auto-Lens detection and the Lens Wizard ensure accurate set-up and focusing of the lens – the first time.

For exceptional situations where fine-tuning or special settings are required, the configuration of the camera can be fine tuned. Control buttons on the side of the camera and the menu-driven On Screen Display (OSD) provide direct access to all settings.
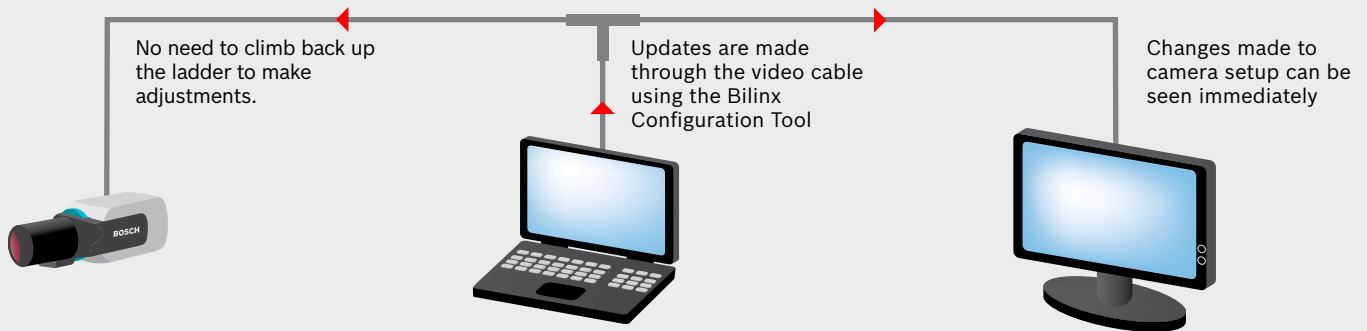
Remote programming –
the convenience of Bilinx

Sometimes you need a camera installed in places that are just hard to get to. Dinion^{XF} has the solution – Bilinx, the newest innovation in CCTV technology from Bosch.

Bilinx allows your technician to check status, change camera settings and even update firmware without having to physically access the camera. You can place a camera on the roof or in a high corner of the ceiling and they don't have to worry about climbing back up to it to make adjustments. You'll save on installation and service time. You can also stay in touch with you camera through Bilinx. With this technology, your camera can transmit alarm and status messages, so you know if a situation arises that needs to be addressed. A Dinion^{XF} with Bilinx gives you freedom, convenience and peace of mind.

No need to climb back up the ladder to make adjustments.

Updates are made through the video cable using the Bilinx Configuration Tool

Changes made to camera setup can be seen immediately

Dinion High Performance Cameras						
	Monochrome		Color		Day/Night	
Model Number	LTC 0385	LTC 0510	LTC 0485	LTC 0610	LTC 0495	LTC 0620
CCD Imager	1/3-inch	1/2-inch	1/3-inch	1/2-inch	1/3-inch	1/2-inch
Horizontal Resolution TVL	570	570	540	540	540	540
15-Bit DSP Technology	•	•	•	•	•	•
XF Dynamic - Wide Dynamic Range	•	•	•	•	•	•
Day/Night - IR sensitive					•	•
NightSense - low light solution			•	•		
SensUp - Extended Sensitivity	•	•	•	•	•	•
Programmable BLC	•	•	•	•	•	•
Default Shutter	•	•	•	•	•	•
AutoBlack	•	•	•	•	•	•
Video Motion Detection	•	•	•	•	•	•
Lens Wizard	•	•	•	•	•	•
Bilinx - bi-directional communication	•	•	•	•	•	•

Tradition of quality and innovation

For over 100 years, the Bosch name has stood for quality and reliability. Bosch Security Systems proudly offers a wide range of fire, intrusion, CCTV, management and communication systems and components to help you find the solution for any application. We are the global supplier of choice for innovative technology backed by the highest level of service and support. When you need solutions you can rely on, choose Bosch.