

Where to Use ACM-370x/ACM-360x Cameras

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Camera Model	ACM-3701, ACM-3703, ACM-3601, ACM-3603
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Introduction

On July 2009, ACTi brought a new model to the market – a two-inch fixed dome camera with Megapixel (ACM-3701/3703) and VGA (ACM-3601/3603) versions.








It combines many highly demanded functions, allowing the camera to be used in a wide variety of environments. This document will explain the key advantages of this camera, and provide sample applications in different applications.

Key Specifications

ACTi's one of the main advantages is the fast response to changes in IP surveillance market – the newest technologies are applied very quickly and the new cameras are introduced to the market in order to satisfy increasing needs for advanced multi-functional cameras.

The key specifications of the camera reflect the applied technology and give you the ideas about the environments where these cameras can be used in.





Key Specifications	Explanation	Additional Info
High Resolution	Megapixel camera ACM-3701 can provide SXGA resolution - 1280x1024, allowing for wider coverage or deeper digital zoom for detecting details, such as faces or car license plates.	
Vandal Proof	Due to its compact shape and the special material used, it is extremely durable even when hit by heavy objects.	 Example Video – ACTi vs Other Manufacturer
Vibration Proof	The camera is designed to work in vibrating environment – the special industrial versions of RJ-45 and M-12 (shown on the photo) connectors are used.	
Water Proof	Even when fully immersed under water, the camera continues to work as usual.	 Example Video
Anti-Fog	Special nanometer coating technology is applied to create an anti-fogging surface. It is designed for stable temperatures and has full efficiency under small temperature changes. Not designed for extreme temperature changes. Read More.	 Example Video – ACTi vs Other Manufacturer

<p>Backlight Compensation</p>	<p>When cameras look out from indoors, it will face bright backgrounds. This results in dark faces passing people. Backlight Compensation will detect the underexposed areas and adjust the image to make faces visible.</p>	 <p>Example Video</p>
<p>Changeable Lens</p>	<p>Having the option to change lens makes the camera suitable for a wider range of applications. The camera is bundled with a 3.6mm lens, which can be replaced with 2.4mm (for wider viewing angle of 116°), 6mm or 12mm lenses (for closer look of monitored object).</p>	
<p>Wide Working Temperature Range</p>	<p>With a working temperature range as wide as -20~+50C, the camera is suitable in many challenging environments where temperature is an important factor.</p>	
<p>Power Over Ethernet</p>	<p>No additional cabling work is needed to supply power to the camera – the power and the video signal can be transmitted in the same cat5 cable.</p>	
<p>Compact and Discreet</p>	<p>The compact size makes the camera very suitable for small spaces or for areas which require more discreet camera types.</p>	

Recommended Applications

Having a powerful set of advantages in hand, it is easy to list possible applications where the 2-inch dome camera is especially suitable. The recommendations are listed in the table below.

Application	Description	Key Specifications Involved
<p>Any discreet environment</p> 	<p>In places such as hotel lobby, corridors, VIP service areas, upscale restaurants, high end retail stores and hospitals, people do not want to feel threatened by the existence of cameras. Mini-dome camera with an extremely low profile is perfect for such cases.</p>	<ul style="list-style-type: none"> ■ Compact size ■ Backlight compensation ■ Lens changeable
<p>Transportation</p> 	<p>Trains, buses, cars, airplanes, ships – the environment is usually vibrating, exposed to occasional bright backgrounds through windows, exposed to humidity and temperature changes. This camera can deal successfully with all the above mentioned issues.</p>	<ul style="list-style-type: none"> ■ Vibration proof ■ Vandal proof ■ Anti-fog ■ Backlight compensation
<p>ATM</p> 	<p>ATM is usually located in a narrow space which needs a compact camera is needed. Wide angle is more important than long focal length because the monitored object is very near to the camera, so 2.4mm lens can be considered. High resolution model can help detect the smallest action on ATM site. Some ATMs are located outdoors with possible extreme weather conditions, where this weather-proof camera comes in useful.</p>	<ul style="list-style-type: none"> ■ Vandal proof ■ Lens changeable ■ High Resolution ■ Compact and discreet ■ Anti-fog ■ Water-proof ■ Wide temperature range
<p>Elevator</p> 	<p>Similar to ATM, an elevator is a compact environment – the distance between the camera and the object is short, therefore wider angle lens is recommended. Naturally, the camera should be both vibration and vandal proof.</p>	<ul style="list-style-type: none"> ■ Vibration proof ■ Vandal proof ■ Compact and discreet ■ Lens changeable

<p>School</p> 	<p>This camera can be applied to nearly any indoor location in schools. It is vandal proof, and yet very modest and discreet so that the students would not feel the pressure of being monitored. Backlight compensation can deal with bright light coming through large windows of classrooms and hallways. You can use different lens for classrooms and hallways, depending on the needed view.</p>	<ul style="list-style-type: none"> ■ Vandal proof ■ Backlight compensation ■ Lens changeable
<p>Restaurant</p> 	<p>The kitchen of a restaurant is an environment with lots of heat, vapor and smoke. This camera is the most economical solution for such an environment.</p>	<ul style="list-style-type: none"> ■ Wide temp. range ■ Anti-fog ■ Water-proof
<p>Freezer Warehouse</p> 	<p>In many biomedical facilities there will be a need to store unique frozen samples. Unlike most, this camera can sustain stable -18 deg C in freezers, and the special coating prevents the surface from become foggy.</p>	<ul style="list-style-type: none"> ■ Wide temp. range ■ Anti-fog
<p>Automatic Car Wash Service</p> 	<p>The washing process should be monitored by camera for several reasons – because usually driver sits in the car during washing and there is a risk for some accidents, besides, the camera recordings can later help solve possible arguments over the claims of damages on car. Since the environment is very humid and exposed to different temperatures, this camera is just perfect to be installed in such environments.</p>	<ul style="list-style-type: none"> ■ Wide temp. range ■ Anti-fog ■ Water-proof

References

[Download Datasheet of ACM-3701/3703 \(megapixel\)](#)

[Download Datasheet of ACM-3601/3603 \(VGA\)](#)

[Example Daytime Video of ACM-3701](#)