

5MP 16:9 HDCVI Get More of the Story

High Definition Composite Video Interface, or HDCVI, is an over-coaxial-cable analog HD video standard that allows long-distance HD transmission at a lower cost to meet the requirements for complex and large installations. In addition to long transmission distances, HDCVI products provide three major benefits to analog video users: wide protocol compatibility, Ultra HD video resolution, and intelligent analytics. With the 5MP 16:9 format, new details from your scene can provide the information you need to uncover the entire story.

Introduction

Large analog video surveillance systems are still widely used today throughout facilities such as financial and casino institutions. Many businesses are reluctant to make the expensive and disruptive decision to overhaul their entire system from analog to IP. One of the challenges is the need to replace miles of cabling, necessitating the disabling of much of the system, which would also take it out of compliance.

Thanks to Dahua's HDCVI technology, HD-over-Coax systems enable customers to upgrade existing standard definition analog systems to HD easily and at a lower cost.



Pain Points

Old Outdated Systems

Lapses in security, oversight, downtime, and other system issues could have a wide-reaching impact on operating costs, revenue, reputation, and more for casinos and financial institutions. This is one of the reasons for industry and government regulations with which financial institutions must regularly demonstrate compliance.



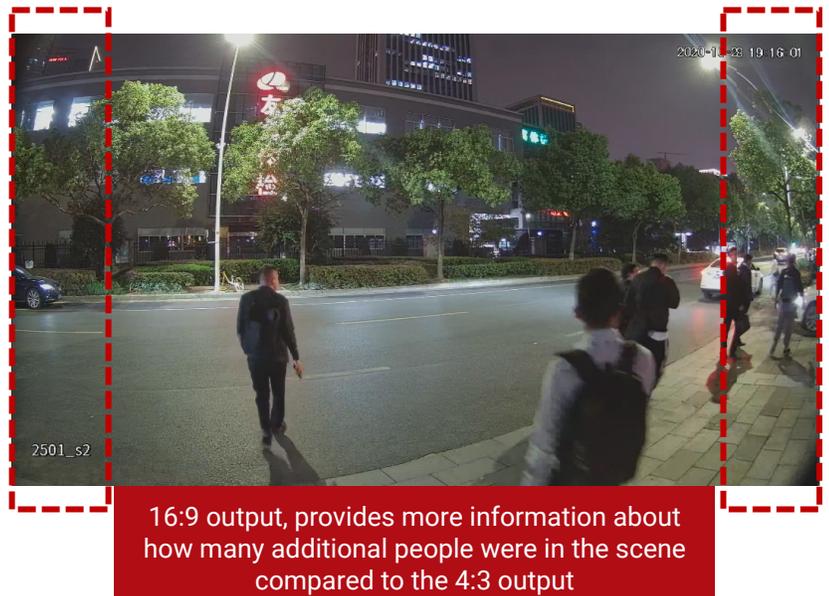
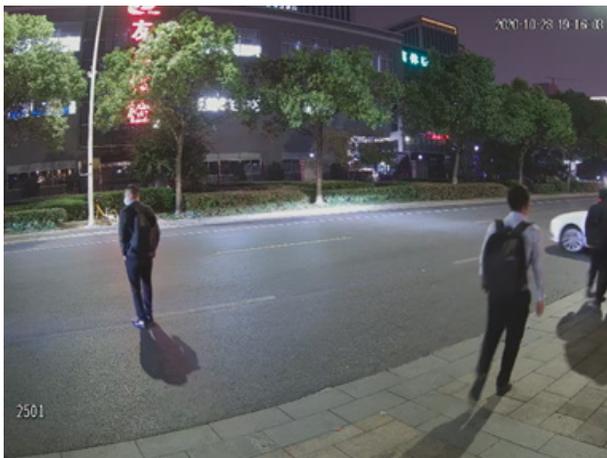
For casinos, comprehensive security networks that watch for evidence related to cheating, disturbances, and other criminal activity are essential to the running of any successful casino, and often require a large organization, infrastructure and staffing structure simply to ensure that every area of the casino floor is properly monitored. If a casino does not have working surveillance cameras, they could receive hefty fines. So an entire system overhaul is challenging.

With Dahua's full portfolio of HD-over-Coax cameras, a system can be updated fast and efficiently.

16:9 Monitor

Most high definition displays have a 16:9 aspect ratio; however, most analog cameras display images in a 4:3 format. As a result, when displaying a 4:3 image on a 16:9 monitor the image appears stretched. Thanks to Dahua's 5MP 16:9 camera series, no image stretching or distortion will appear on a 16:9 monitor.

With a 16:9 aspect ratio, new details emerge so you never miss important information that could solve the crime.



Going the Distance

Competing coaxial technologies and network devices are unable to go the distance of HDCVI technology. Dahua's 5MP cameras provides a high image quality via coaxial cable, offers bi-directional data capabilities and can be transmitted up to 700m (RG6).

Various Technologies / Devices

Customers who started out with a CCTV system of a certain technology, such AHD or HD-TVI and requires an upgrade, can feel confident that Dahua's HDCVI devices are compatible with nearly all analog solutions on the market, and can unify multiple technologies into a single system. The camera seamlessly integrates with legacy video surveillance systems to deliver the industry's highest image quality and range.



Switch1	Switch2	Output Mode
OFF	OFF	CVI
ON	ON	CVBS
ON	OFF	AHD
OFF	ON	TVI

Common Series Features

- 1/2.7-in 5MP CMOS Sensors
- 5MP at 25fps Maximum Resolution per Sensor
- Enhanced Starlight 0.001lux/F1.6
- True Wide Dynamic Range 120dB
- True Day/Night (ICR)
- 16:9 Aspect Ratio for no Image Stretching
- HDCVI, AHD, TVI, or CVBS Output, Switchable
- ArcticPro Technology for Operation Down to -40°F
- IP67

Bullet Cameras		Dome Cameras	
			
A52BB62	A52BFAZ	A52BL62	A52BMAZ / A52BMAZ-B
<ul style="list-style-type: none"> • Lens: 2.8mm • IR Distance: 131.23 ft 	<ul style="list-style-type: none"> • Lens: 2.7mm – 13.5mm • IR Distance: 262.47 ft 	<ul style="list-style-type: none"> • Lens: 2.8mm • IR Distance: 98.43 ft 	<ul style="list-style-type: none"> • Lens: 2.7mm – 13.5mm • IR Distance: 98.43 ft
Eyeball Cameras			
			
A52BJ62	A52BJAZ	A51BJ02 / A51BJ02-B	
<ul style="list-style-type: none"> • Lens: 2.8mm • IR Distance: 196.85 ft 	<ul style="list-style-type: none"> • Lens: 2.7mm – 13.5mm • IR Distance: 196.85 ft 	<ul style="list-style-type: none"> • Lens: 2.8mm • IR Distance: 98.43 ft • Minimum Illumination: 0.01 lux / F1.6 	

To view the 16:9 video output on a Dahua HDCVI DVR you must update the DVR to the latest firmware. Obtain the latest firmware on the Dahua Wiki at <https://dahuawiki.com/Recorders>.

Mounting Options

	Model	Wall Mount	Ceiling Mount	Pole Mount	Coner Mount
Eyeball	A52BJ62	PFB204W	PFA106 + PFB220C	PFB204W + PFA152-E	PFA106 + PFB305W + PFA151
		PFB204W + PFA130-E		PFA150 + PFA106 + PFB305W	
		PFB204W + PFA139		PFA152-E + PFA130-E + PFB204W	
		PFA106 + PFB305W		PFA152-E + PFA139 + PFB204W	
	A52BJAZ	DH-PFB205W	PFA106 + PFB220C	PFB205W + PFA152-E	PFA106 + PFB305W + PFA151
		DH-PFB205W + PFA130-E		PFA150 + PFA106 + PFB305W	
		DH-PFB205W + PFA137		PFA152-E + PFA130-E + PFB205W	
		PFA106 + PFB305W		PFA152-E + PFA137 + PFB205W	
	A51BJ02	PFB204W	PFA106 + PFB220C	PFB204W + PFA152-E	PFA106 + PFB305W + PFA151
		PFB204W + DH-PFA13A-E		PFA150 + PFA106 + PFB305W	
		PFA106 + PFB305W		PFB204W + PFA152-E + DH-PFA13A-E	
		DH-PFB204W-B		DH-PFB204W-B + DH-PFA152-E-B	
A51BJ02-B	DH-PFB204W-B + DH-PFA13A-E-B	PFA106 + PFB220C	PFA150 + PFA106 + PFB305W	PFA106 + PFB305W + PFA151	
	PFA106 + PFB305W		DH-PFB204W-B + DH-PFA152-E-B + DH-PFA13A-E-B		
Bullet	A52BB62	PFA121	NA	PFA121 + PFA152-E	PFA130-E + PFA151
		PFA130-E			
	A52BFAZ	PFA130-E	NA	PFA130-E + PFA152-E	PFA122 + PFA151
Dome	A52BL62	PFB203W	DH-PFA109 + PFB220C	PFB203W + PFA152-E	DH-PFA109 + PFB305W + PFA151
		PFB203W + PFA136		PFA150 + PFA106 + PFB305W	
		DH-PFA109 + PFB305W		PFB203W + PFA152-E + PFA136	
	A52BMAZ	PFB203W	DH-PFA109 + PFB220C	PFB203W + PFA152-E	DH-PFA109 + PFB305W + PFA151
		PFB203W + PFA137		In-ceiling Option: DH-PFB200C	
		DH-PFA109 + PFB305W		PFA150 + PFA106 + PFB305W	
	A52BMAZ-B	PFB203W-B	DH-PFA109 + PFB220C	PFB203W + PFA152-E + PFA137	DH-PFA109 + PFB305W + PFA151
		PFB203W-B + DH-PFA137-B		In-ceiling Option: DH-PFB200C	
DH-PFA109 + PFB305W		PFA150 + PFA106 + PFB305W			
			PFB203W-B + DH-PFA152-E-B		
			PFA150 + PFA106 + PFB305W		
			PFB203W-B + DH-PFA152-E-B + DH-PFA137-B		
			PFA150 + PFA106 + PFB305W		
			PFB203W-B + DH-PFA152-E-B + DH-PFA137-B		