

# 1080p AHD IR Dome Camera



## 1080p HD Analog Camera

PLANET CAM-AHD425 camera is a high-resolution analog camera and able to work with **AHD DVR** for different applications. Users can easily upgrade their surveillance system in the existing coaxial infrastructure without having to overhaul it. Besides, the camera supports TVI/CVI/CVBS mode and the camera can comply with different DVRs like TVI or CVI DVR. Through the OSD control button, user is able to set up AHD/TVI/CVI/CVBS mode easily.



With **Sony CMOS sensor** and **IR illuminators**, the camera provides high-quality image under all lighting conditions. Besides, the CAM-AHD425 provides some significant features such as **OSD control button**, **long-distance transmission** and **image quality enhancement**. With these features, the camera brings us more efficiency and flexibility. The **weatherproof** housing protects the camera body against rain and dust, and ensures operation under extreme weather conditions, which makes it an ideal solution for indoor or outdoor applications, e.g., chain stores, communities, campuses, parking areas, garages, roads and public transportations.

## Full HD Resolution



### Camera

- 1/2.8" Sony 2MP CMOS sensor
- Fixed lens 3.6mm/F1.2
- 0 lux with built-in IR LED
- Maximum resolution up to 1920 x 1080
- 24 built-in IR LEDs for low light and long distance up to 25 meters

### Video

- Supports AHD/TVI/CVI/CVBS mode
- Auto Gain Control and White Balance
- Auto Electronic Shutter Time: 1/25s~1/45,000s
- S/N ratio of more than 52dB
- Image enhancement with 2DNR
- Digital Wide Dynamic Range
- Transmission distance up to 500 meters

### Hardware

- Video Output: 1 Vp-p composite video, 75 ohms
- IP65-certified protection
- Analog operation; easy to install; fast reaction

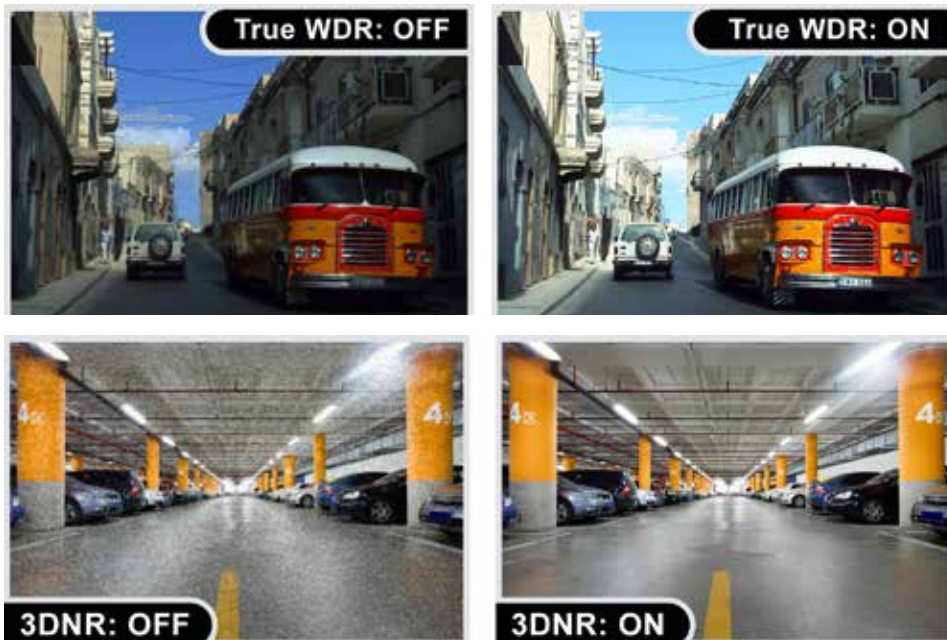
*Easy Adjustment via OSD*

The CAM-AHD425 is equipped with an OSD (on-screen display) control button. The OSD of the device is easily accessible via a simple control attached to the power and video cord. The benefits of an OSD are that it provides a simple, efficient, and easily understandable way to change the various settings of the camera.

MAIN MENU	
AE	↵
WB	↵
DAY-NIGHT	↵
VIDEO SETTING	↵
LANGUAGE	◀ ENGLISH ▶
RESET	↵
SAVE-EXIT	↵
EXIT	

*Image Quality Enhancement*

Together with powerful image processing attributes like Wide Dynamic Range and Digital Noise Reduction technology, the camera is able to filter the intense backlight surrounding a subject and remove noises from video signal. The result is that an extremely clear and exquisite picture quality can be produced even under any challenging lighting conditions.



*Day & Night Functionality*

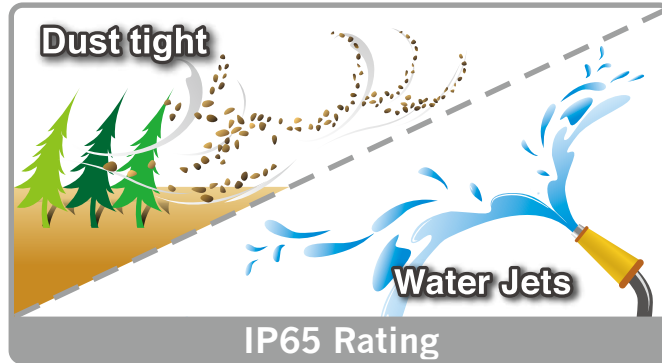
To adapt to constantly changing lighting conditions, the CAM-AHD425 comes with a Sony sensor and 24 built-in IR illuminators, which enable the camera to provide color video when there is sufficient light, and black/white video in dark conditions. The camera is able to maintain clear images 24 hours a day.

**Super low lux for day & night**



*IP65-rated Housing for Indoor and Outdoor Purposes*

With the IP65-rated housing, the CAM-AHD425 is suitable for use in all weather conditions, be it rainy or dusty. No matter how extreme the weather is, it is able to operate as stably as possible. The CAM-AHD425 is indisputably the top choice for reliable and high-performance surveillance.

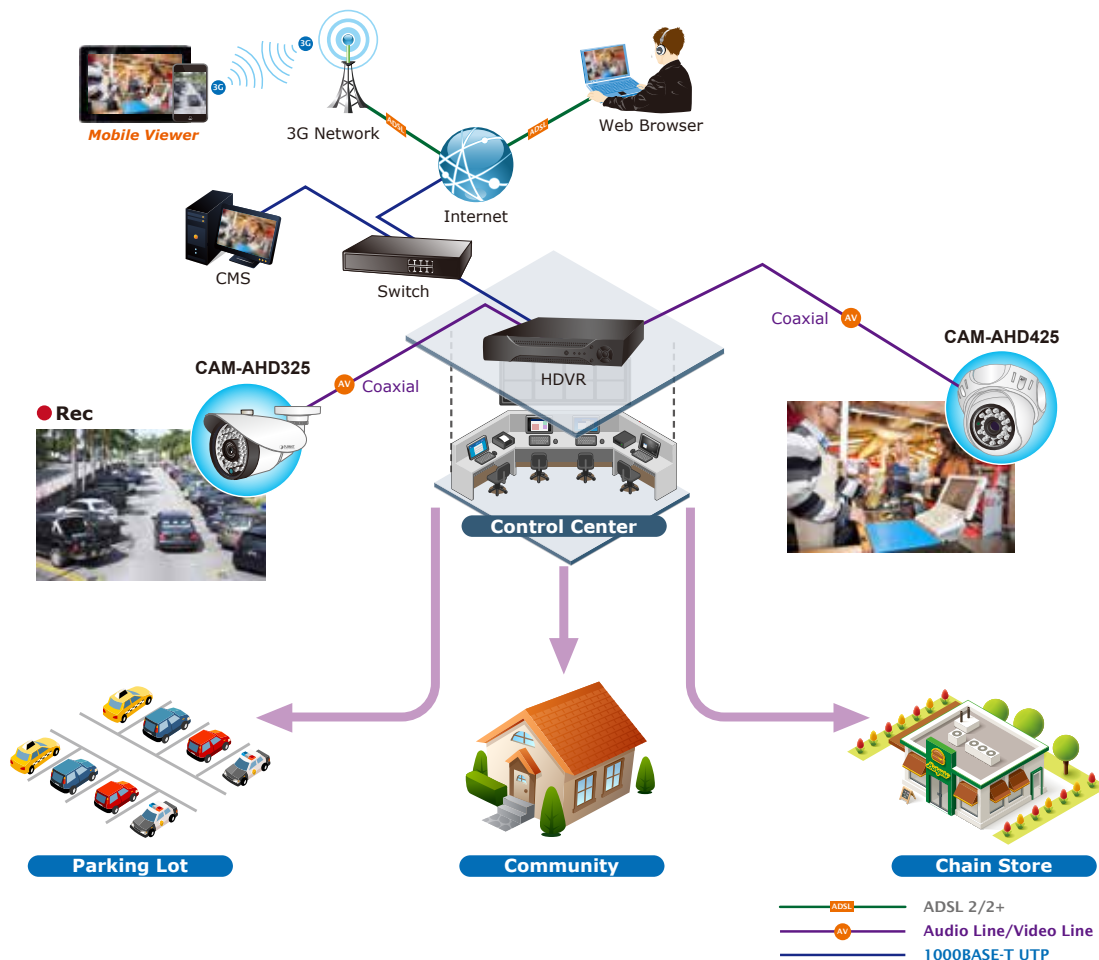


*Long-distance Transmission*

Based on AHD technology, the video data of the CAM-AHD425 can be transmitted via a coaxial cable at the distance of up to 500 meters without any latency and losses.

**Applications**

Taking advantage of the convenient TCP/IP network, the surveillance system administrators can integrate different kinds of cameras such as the CAM-AHD425 IR camera with PLANET HDVR system to establish 24/7 indoor and outdoor secure surveillance applications.



## Specifications

Model	CAM-AHD425
<b>Camera</b>	
Sensor	Sony 1/2.8" 2MP CMOS
Effective Picture Elements	1920 (H) x 1080 (V) @ 30fps
System	PAL/NTSC
Lens Furnished	Fixed lens 3.6mm/F1.2
Minimum Illumination	0.01 lux @ F1.2, 0 lux with built-in IR LED
Video Output	1 Vp-p composite video, 75 ohms
Protection Class	IP65
Power Supply	12V DC, 1A
Dimensions (W x D x H)	98 x 110 x 77 mm
<b>LED</b>	
IR LED	24 pcs $\Phi$ 5 LED
IR Project Distance	up to 25 meters
<b>Video &amp; Audio</b>	
Hybrid Signal Output	AHD/TVI/CVI/CVBS mode
S/N Ratio	More than 52dB
White Balance	ATW/MWB
D-WDR	ON/OFF
Day and Night	Auto/Color/B/W/EXT
Gamma Characteristic	0.45
Exposure Mode	Globe/Center/BLC/FLC
Auto Electronic Shutter	1/25s~1/45,000s
Digital Noise Reduction	2DNR
Defog	Auto/ON/OFF
AGC	Auto/Manual
Transmission Distance	Transmission over common coaxial 75-3 cable up to 300-500 meters
<b>Environment</b>	
Operating Temperature	-30 to 50 degrees C
Humidity	$\leq$ 85%RH

## Ordering Information

CAM-AHD425	1080p AHD IR Dome Camera
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## Related Products

CAM-AHD325	1080p AHD IR Bullet Camera
HDVR-1630	16-Channel Hybrid Digital Video Recorder
GSW-2620HP	24-Port 10/100/1000T 802.3at PoE + 2-Port 1000X SFP Gigabit Ethernet Switch (220W)