



Performance. Quality. Versatility

HD570

Full HD PTZ Camera Series

NDI[®]



Professional standard performance and control

Based on a high-performance HD camera system, The HD570 range combines exceptional image quality and near-silent pan-tilt-zoom (PTZ) functionality within a robust and stylish camera unit.

The HD570 has been designed from the ground up to be a high-quality Full HD camera that is compatible with virtually all industry connectivity and network standards.

The combination of high image quality and compatibility makes it a highly-versatile camera that will provide reliable performance in any application where fixed or remotely-controlled camera positions are preferred.

Value for money is a stand-out strength, making the HD570 suitable for almost all budgets where high-quality video capture is required.

Connectivity: Your choice made easy

The HD570 range provides source compatibility with HDMI, SDI, USB, and Ethernet. The range of available connectivity sources enables fast and efficient device setup compatible with almost limitless video streaming, recording and network configurations.

Outputs can be used in various configurations, maximising the choice, flexibility and range of live streaming and recording options, with the capability to control all camera functions remotely.

Extensive lens choice

The wide range of zoom Lens options makes the HD570 suitable for many framing requirements and project budgets. From 5x ultra-wide to a powerful 30x optical zoom range.

Built-in streaming protocols

The HD570 range of camera systems has several built-in network streaming protocols, including RTMP and SRT protocols, plus the option of an NDI version.

Advanced network streaming protocols ensure pristine quality and low-latency live video over networks and the internet.

NDI Option

The NDI version of the HD570 unlocks additional quality, flexibility and control over Ethernet.

NDI is designed to ultimately replace specific wired connections and transmission, such as HDMI and SDI, making NDI a future-proof choice for larger-scale camera installations.

NDI-encoded video enables multiple broadcast-level quality signals to be transmitted and received over an IP network in real time. The transmitted information features low delay, precise frame rates, and mutual identification data streams. NDI makes the simple and efficient video transmission over IP a reality. Power over Ethernet (PoE) is also available.

Multi-channel transmission means each NDI signal source can be used as multiple receiving end targets. The NDI data stream is sent by multiple cameras, increasing the number of signal sources used for on-site production switching. Each camera is processed in real-time, making editing and producing live video footage more efficient and streamlined than traditional camera systems.



The smart choice for professional standard video

In an industry with a vast range of brands and products to choose from, the APT AV HD570 range stands out as a front runner for its quality, connectivity and versatility at an affordable price.

The HD570 range boasts a variety of great features that will tick the boxes on any AV professional's must-have list.

Superb high-definition image

The HD570 employs a 1/2.8 inch high-quality CMOS sensor with resolution of 1920x1080 at up to 60fps.

Choice of optical zoom lenses

Choose a zoom range to suit specific applications. The 12X, 20X, and 30X optical zoom lenses fit most applications, while the 5X lens has an 83-degree super-wide angle of view with minimal distortion.

Advanced autofocus technology

The advanced autofocus algorithm provides sharp and stable images. AF is fast and accurate with an absence of hunting.

Low-noise colourful images

The state-of-the-art CMOS image sensor combines with APT AV advanced image processing to deliver low-noise colourful images. Advanced 2D/3D noise reduction technology is also used to further reduce image noise while providing natural levels of image sharpness.

USB 3.0 supports dual code streams

USB 3.0 supports main and sub-code stream outputs simultaneously. There's support for YUY2, MJPEG, H.264, NV12, H.265 video encoding formats.

Multiple control protocols

Remote camera function control is available with VISCA, PELCO-D, and PELCO-P protocols. Support for auto-identification protocols is available.

Near-silent PTZ operation

The step-drive motor mechanism and high-precision drive motor control ensure PTZ functionality is smooth and virtually silent.

Multiple Pre-sets

Support of up to 255 pre-set image framing positions.

NDI support

The NDI version of the HD570 provides video-over-IP network control and support for NDI-compatible devices.



Specifications

Model	HD570 5X		HD570 12X	HD570 20X
Model Options				
Body colour	Black/White			
NDI Option	Yes			
Camera				
Optical zoom lens	5X 3.1~15.5mm f1.8-2.8	12X 3.9~46.8mm f/1.8-2.4	20X 5.2~98mm f/1.5-3.0	
Minimum aperture	f/11, Closed			
Angle of view	20°(tele) 84°(wide)	6.3°(tele) 72.5°(wide)	3.2°(tele) 56°(wide)	
Sensor	1/2.8 inch high quality HD CMOS sensor			
Minimum illumination	0.5Lux (F1.8, AGC ON)			
Video format	HDMI/SDI video format 1080P60/50/30/25, 1080I60/50, 720P60/50, 1080P59.94, 1080I59.94, 1080P29.97, 720P59.94, 720P29.97 USB3.0 interface video format Main Stream - YUY2/MJPEG/NV12/H.264/H.265: 1920×1080P30,1280×720P30,1024×576P30,960×540P30,800×448P30,720×480P30,640×360P30, 640×480P30,320×176P30 Sub Stream - YUY2/NV12: 640×360P30,640×480P30,320×176P30 1080 P60/50/30/25, 1080 I60/50, 720 P60/50, 1080 P59.94, 1080 I59.94, 1080 P29.97, 720 P59.94, 720 P29.97			
Digital noise reduction	2D & 3D DNR			
Signal to noise ratio	≥50dB			
White balance	Auto /Manual/ One Push/ Specify colour temperature			
Focus/Aperture/ Electronic Shutter	Auto/Manual/One Push			
Exposure Modes	Auto/Manual/Shutter priority/Aperture priority/Brightness priority			
Shutter speeds	1/25~1/10000			
Back Light Control	Yes - on/off			
Dynamic level adjustment	Yes - on/off			
Video adjustments	Brightness, Colour, Saturation, Contrast, Sharpness, B/W mode, Gamma curve			

Input/Output Interface	
Video interfaces	HD570-05/12/20/30-SU Model: HDMI, SDI, LAN(POE), RS232-IN/OUT, RS422 & RS485, A-IN, USB3.0(type B compatible with USB2.0), DC12V, power switch HD570-05/12/20/30-U3 Model: HDMI,LAN(POE), RS232-IN/OUT, RS422 & RS485, A-IN, USB3.0(type B compatible with USB2.0), DC12V, power switch
Video stream	Dual stream output
Video Compression Format	LAN Interface: H.265, H.264, dual stream output USB3.0 Interface: Main stream supports YUY2/MJPEG/H.264/NV12/H.265; Sub stream supports YUY2/M JPEG/H.264/NV12
Audio Input Interface	2-track 3.5mm linear input
Audio Output Interface	HDMI, SDI, LAN, USB3.0
Audio Compression Format	AAC
Network Protocol	RTSP, RTMP, ONVIF, GB/T28181, VISCA OVER IP, IP VISCA, RTMPS, SRT, Support remote upgrade, reboot and reset
Control Interface	RS232-IN, RS232-OUT, RS422 (compatible with RS485)
Control Protocol	VISCA/Pelco-D/Pelco-P, Baud Rate: 115200/38400/9600/4800/2400bps
Power Interface	HEC3800 outlet (DC12V)
Input Voltage	Maximum: 1A
Power Consumption	Maximum: 12W
PTZ	
Pan/Tilt Rotation	±170°, -30°~+90°
Pan Control Speed	0.1 -100°/sec
Tilt Control Speed	0.1-45°/sec
Preset Number	255 presets (10 presets by remote controller)
Other	
Storage Temperature	-10°C~+60°C
Storage Humidity	20%~95%
Working Temperature	-10°C~+50°C
Working Humidity	20%~80%
Dimensions	181mm x 115mm x 149mm
Weigh	1.15K
Supplied accessories	Power Supply, RS232 control cable, USB3.0 connection cable, Remote Controller, User Manual
Option accessories	Ceiling / Wall Mount (Extra Cost)



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